

April 12, 1994

Ingredients Added to Tobacco in the Manufacture of Cigarettes  
by the Six Major American Cigarette Companies \*

1. ACETANISOLE - FDA approved food additive; FEMA GRAS; found in beef, cranberry, guava, grape, mango, peppermint; used in frozen dairy products, hard candies.
2. ACETIC ACID - FDA GRAS; FEMA GRAS; found in banana, beer, beef, apple juice, apricot, blue cheese, blueberries; used in condiment relishes.
3. ACETOIN - FDA GRAS; FEMA GRAS; found in apples, butter, yogurt, asparagus, black currants, blackberry, wheat, broccoli, brussel sprouts, cantaloupe; used in baked goods.
4. ACETOPHENONE - FDA approved food additive; FEMA GRAS; found in apple, cheese, apricot, banana, beef, cauliflower; used in chewing gum.
5. 6-ACETOXYDIHYDROTHEASPIRANE - FEMA GRAS; used in baked goods, instant coffee/tea, snacks, soups, seasonings, meat products.
6. 2-ACETYL-3-ETHYLPYRAZINE - FEMA GRAS; found in pork; used in soups.
7. 2-ACETYL-5-METHYLFURAN - FEMA GRAS; found in coffee, roasted filbert, tomato juice; used in soups, nut products, snack foods, gravies.
8. ACETYLPYRAZINE - FEMA GRAS; found in beef, coffee, popcorn, sesame seed, almond, wheat bread, cocoa, peanut, pork, potato chips; used in frozen dairy products.
9. 2-ACETYLPYRIDINE - FEMA GRAS; found in cocoa, coffee, roasted peanut, potato chips, tea, beer, wheat bread, hazelnut, lamb/mutton, potato; used in breakfast cereals, ice cream, candy.

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\*/ The six companies are the American Tobacco Company, Brown and Williamson, Liggett Group, Inc., Lorillard, Inc., Philip Morris Incorporated and R.J. Reynolds Tobacco Company.

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10. 3-ACETILPYRIDINE - FEMA GRAS; found in roasted filbert, cocoa; used in non-alcoholic beverages, ice cream, candy, gelatin and puddings, baked goods.

11. 2-ACETYLTHIAZOLE - FEMA GRAS; found in bean, potatoes, artichoke, asparagus, beef, beer, brazil nuts, rice, boiled shrimp; used in snack foods.

12. ACONITIC ACID - FDA GRAS; FEMA GRAS; found in beet root, sugarcane; used in alcoholic beverages, baked goods, chewing gum.

13. dl-ALANINE - FDA approved food additive; natural constituent of protein in plants and animals; found in apple, beef, carob, pea, soybean, wine, zucchini.

14. ALFALFA EXTRACT - FDA GRAS; FEMA GRAS; found in alfalfa; used in baked goods.

15. ALLSPICE EXTRACT, OLEORESIN, AND OIL - FDA GRAS; FEMA GRAS; used in soups, candies, chewing gum, meats.

16. ALLYL HEXANOATE - FDA approved food additive; FEMA GRAS; found in baked potato; used in gelatin and puddings.

17. ALLYL IONONE - FDA approved food additive; FEMA GRAS; used in ice cream, baked goods, candy, gelatin and puddings, jellies.

18. ALMOND BITTER OIL - FDA GRAS; FEMA GRAS; found in almond, apricot, peach kernel; used in baked goods, candy, gelatin and puddings, chewing gum.

19. AMBERGRIS TINCTURE - FDA GRAS; FEMA GRAS; used in non-alcoholic beverages, ice cream, candy.

20. AMMONIA - Occurs in human/animal breath due to protein metabolism; dissolved in water it is a naturally occurring substance that plays a vital role in protein metabolism in animals, including man.

21. AMMONIUM BICARBONATE - FDA GRAS; used in baked goods.

22. AMMONIUM HYDROXIDE - FDA GRAS; found in cured pork.

23. AMMONIUM PHOSPHATE DIBASIC - FDA GRAS; used in dough, ice cream, gelatin and puddings.

2046316423

24. AMMONIUM SULFIDE - FEMA GRAS; used in baked goods, meat products, gravies, condiments.

25. AMYL ALCOHOL - FDA approved food additive; FEMA GRAS; found in apple, banana, cheese, chicken, coffee, potato, raspberry, strawberry, tomato; used in baked goods, candy, gelatin and puddings, chewing gum.

26. AMYL BUTYRATE - FDA approved food additive; FEMA GRAS; found in bananas, beer, apple juice, apricots, strawberries, wine; used in syrup, candy, chewing gum.

27. AMYL FORMATE - FDA approved food additive; FEMA GRAS; found in apples, strawberry, brandy, honey, tomatoes, whiskey; used in non-alcoholic beverages, candy, chewing gum.

28. AMYL OCTANOATE - FDA approved food additive; FEMA GRAS; found in strawberry, apple, cognac; used in baked goods, candy, gelatin and puddings.

29. alpha-AMYL CINNAMALDEHYDE - FDA approved food additive; FEMA GRAS; found in black tea, olibanum; used in candy, baked goods, chewing gum.

30. AMYRIS OIL - FDA approved food additive; found in brandies, liqueurs, amyris balsamifera; used in brandies, liqueurs, oriental specialties.

31. trans-ANETHOLE - FDA GRAS; FEMA GRAS; found in cheese, tea, apple, licorice; used in alcoholic beverages.

32. ANGELICA ROOT EXTRACT, OIL AND SEED OIL - FDA GRAS; FEMA GRAS; used in non-alcoholic beverages, alcoholic beverages, baked goods, chewing gum.

33. ANISE, ANISE STAR, EXTRACT AND OILS - FDA GRAS; FEMA GRAS; found in star anise; used in ice cream, ices, baked goods, candy, chewing gum, meats, condiments.

34. ANISYL ACETATE - FDA approved food additive; FEMA GRAS; found in currant; used in baked goods, candy, gelatin and puddings, chewing gum.

35. ANISYL ALCOHOL - FDA approved food additive; FEMA GRAS; found in honey, tomato; used in gelatin and puddings.

36. ANISYL FORMATE - FDA approved food additive; FEMA GRAS; found in vanilla; used in candy, baked goods.

2046316424

37. ANISYL PHENYLACETATE - FDA approved food additive; FEMA GRAS; found in honey; used in baked goods.

38. APPLE JUICE CONCENTRATE, EXTRACT, AND SKINS - common food item found in apple; used in juices, baked goods.

39. APRICOT EXTRACT AND JUICE CONCENTRATE - Common food item found in apricot; used in condiments.

40. L-ARGININE - FDA approved food additive; natural constituent of proteins in plants and animals.

41. ASAFETIDA FLUID EXTRACT AND OIL - FDA GRAS; FEMA GRAS; used in condiments, candy, soups, meats.

42. ASCORBIC ACID - FDA GRAS; FEMA GRAS; found in citrus fruit, tea leaves; used in baked goods, sweet sauce, soups, candy, gelatin and puddings, dairy products.

43. L-ASPARAGINE MONOHYDRATE - FDA approved food additive; found in proteins, licorice.

44. L-ASPARTIC ACID - FDA approved food additive; FEMA GRAS; found in proteins, licorice; used in seasonings.

45. BALSAM PERU AND OIL - FDA GRAS; FEMA GRAS; found in Peru balsam; used in baked goods, syrups, candy, chewing gum.

46. BASIL OIL - FDA GRAS; FEMA GRAS; found in basil used in baked goods, condiments, meats.

47. BAY LEAF, OIL AND SWEET OIL - FDA GRAS; FEMA GRAS; found in bay leaves; used in condiments, meat.

48. BEESWAX WHITE - FDA GRAS; FEMA GRAS; used in baked goods, candy, honey.

49. BEET JUICE CONCENTRATE - Beets are included among "Miscellaneous Vegetables" in FDA Standards of Identity and are also covered by a USDA Standards for Grades.

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50. BENZALDEHYDE - FDA GRAS; FEMA GRAS; found in apple juice, almond, apricot, artichoke, asparagus, beans, beef, beer; used in baked goods, chewing gum.

51. BENZALDEHYDE GLYCERYL ACETAL - FDA approved food additive; FEMA GRAS; used in baked goods, candy, gelatin and puddings, chewing gum.

52. BENZOIC ACID - FDA GRAS; FEMA GRAS; found in cinnamon, strawberry, tea, apple, beer, bread, cocoa, honey; used in baked goods, cheese, candy, chewing gum, condiment relish.

53. BENZOIN - FDA approved food additive; FEMA GRAS; used in non-alcoholic beverages, alcoholic beverages, baked goods, candy, chewing gum.

54. BENZOIN RESIN - FDA approved food additive; FEMA GRAS; used in baked goods, gelatin and puddings, chewing gum.

55. BENZOPHENONE - FDA approved food additive; FEMA GRAS; found in grape, apples, papaya; used in frozen dairy products.

56. BENZYL ALCOHOL - FDA approved food additive; FEMA GRAS; found in apricot, beef, beer, almonds, apple, apple juice, asparagus, bananas, black currants, blackberries; used in chewing gum, candy, baked goods.

57. BENZYL BENZOATE - FDA approved food additive; FEMA GRAS; found in celery, parsley, black currants, butter, guava, pineapple, papaya; used in ice cream, baked goods, candy.

58. BENZYL BUTYRATE - FDA approved food additive; FEMA GRAS; found in apple, apple juice, apricot, banana, parmesan cheese, grape, honey, mango, melon, muskmelon, orange juice, papaya; used in candy.

59. BENZYL CINNAMATE - FDA approved food additive; FEMA GRAS; used in non-alcoholic beverages, baked goods, candy.

60. BENZYL PROPIONATE - FDA approved food additive; FEMA GRAS; found in strawberry; used in candy.

61. BENZYL SALICYLATE - FDA approved food additive; FEMA GRAS; found in cranberry, apple flowers; used in baked goods.

62. BERGAMOT OIL - FDA GRAS; FEMA GRAS; found in oranges; used in icings, gelatin, alcoholic beverages.

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63. BISABOLENE - FEMA GRAS; found in carrot, ginger, hops, guava, mango, ginger; used in baked goods, candy.

64. BLACK CURRANT BUDS ABSOLUTE - FDA approved food additive; FEMA GRAS; used in non-alcoholic beverages, baked goods, candy, gelatin and puddings.

65. BORNEOL - FDA approved food additive; FEMA GRAS; found in carrot, blackberries, brandy, grapes, cocoa; used in baked goods.

66. BORNYL ACETATE - FDA approved food additive; FEMA GRAS; found in carrot, black currants, gin, ginger, kiwi fruit, pistacia, plum, sweet potato, soy sauce, black and green tea; used in gelatin and puddings, candy, ice cream.

67. BUCHU LEAF OIL - FDA approved food additive; FEMA GRAS; used in ice cream, ices, candy, condiments.

68. 1,3-BUTANEDIOL - FDA approved food additive; used as solvent for natural and synthetic flavors.

69. 2,3-BUTANEDIONE - FDA GRAS; FEMA GRAS; found in apple, bean, beef, butter, artichoke, avocado, black currants, blueberry, blue cheese, grape brandy, wheat, brussels sprouts; used in meat products.

70. 1-BUTANOL - FDA approved food additive; FEMA GRAS; found in apple juice, banana, beef, celery, cheese (cheddar and Swiss), peach, potato; used in non-alcoholic beverages, alcoholic beverages, ice cream, ices, candy, cream, baked goods.

71. 2-BUTANONE - FDA approved food additive; FEMA GRAS; found in apple, apricot, banana, cauliflower, celery, chicken, coffee, milk, onion, tomato; used in non-alcoholic beverages, ice cream ices, candy, baked goods.

72. 4(2-BUTENYLIDENE)-3,5,5-TRIMETHYL-2-CYCLOHEXEN-1-ONE - found in white-flesh nectarine, starfruit, grapefruit juice.

73. BUTTER, BUTTER ESTERS, AND BUTTER OIL - FDA approved food additive; FEMA GRAS; found in butter; used in frozen dairy products.

74. BUTYL ACETATE - FDA approved food additive; FEMA GRAS; found in apple, banana, beer, black currant, cashew nuts, cheese, raspberry, apricot, blackberry, brandy, cantaloupe; used in cheeses, baked goods, candy.

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75. BUTYL BUTYRATE - FDA approved food additive; FEMA GRAS; found in banana, apricot, blackberry, brandy, parmesan cheese, honey, mango, melon, muskmelon, orange juice, papaya; used in candy.

76. BUTYL BUTYRYL LACTATE - FDA approved food additive; FEMA GRAS; used in non-alcoholic beverages, baked goods, candy, sweet sauces.

77. BUTYL ISOVALERATE - FDA approved food additive; FEMA GRAS; found in apple, apricot, banana, parmesan cheese, olives, pear, plum, strawberry, wine; used in baked goods.

78. BUTYL PHENYLACETATE - FDA approved food additive; FEMA GRAS; found in papaya, alfalfa; used in baked goods, ice cream, candy.

79. BUTYL UNDECYLENATE - FDA approved food additive; FEMA GRAS; no limitation for use in food other than good manufacturing practices.

80. 3-BUTYLIDENEPHTHALIDE - FEMA GRAS; found in celery, celery stalk; used in soups, condiments, meats.

81. BUTYRIC ACID - FDA GRAS; FEMA GRAS; found in apple, beef, beer, black currants, blueberries, wheat bread, butter, blue cheese; used in snack foods, candy, margarine.

82. CADINENE - FDA approved food additive; found in grapefruit, orange juice, peach, pepper, peppermint, tea; used in baked goods, candy, gelatin and puddings, meat products.

83. CAFFEINE - FDA GRAS; FEMA GRAS; found in coffee, tea, mate, kola nut; used in non-alcoholic beverages, ice cream, ices, baked goods, candy, gelatin and puddings.

84. CALCIUM CARBONATE - FDA GRAS; no limitation for use in food other than good manufacturing practices. Used as a dietary supplement; also used in baked goods, chewing gum, beverages.

85. CAMPHENE - FDA approved food additive; FEMA GRAS; found in carrot, cheddar cheese, ginger, apricot, black currants, blackberry, celery, gin, kiwi fruit; used in candy, baked goods, ice cream.

86. CANANGA OIL - FDA GRAS; FEMA GRAS; used in non-alcoholic beverages, candy, baked goods.

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87. CAPSICUM OLEORESIN - found in pepper; used in non-alcoholic beverages, baked goods, condiments, candy, chewing gum, meats.
88. CARAMEL COLOR - FDA GRAS; FEMA GRAS; found in sugars; used in gravies, meats, condiments.
89. CARAWAY OIL - FDA GRAS; FEMA GRAS; found in caraway seeds; used in baked goods, condiments.
90. CARBON DIOXIDE - FDA GRAS; used in beverages, meat products, processed fruits, dairy products.
91. CARDAMOM OLEORESIN, EXTRACT, SEED OIL, AND POWDER - FDA GRAS; FEMA GRAS; found in cardamom; used in baked goods, pickles, meats.
92. CAROB BEAN AND EXTRACT - FDA GRAS; FEMA GRAS; found in carob beans; used in baked goods, candy, gelatin and puddings, icings and toppings.
93. beta-CAROTENE - FDA GRAS; found in carrot, pumpkin, spinach, broccoli, used in processed fruit and fruit juices, dairy products.
94. CARROT OIL - FDA GRAS; FEMA GRAS; found in carrots; used in baked goods.
95. CARVACROL - FDA approved food additive; FEMA GRAS; found in pepper, spearmint, tea; used in baked goods, condiments, candy, gelatin and puddings, chewing gum.
96. 4-CARVOMENTHENOL - FDA approved food additive; FEMA GRAS; found in carrot, celery seed, cocoa powder, grape, grapefruit, orange, tea, wine; used in non-alcoholic beverages, candy, baked goods, gelatin and puddings, chewing gum.
97. l-CARVONE - FDA GRAS; FEMA GRAS; found in grapefruit juice, honey, hops oil, orange juice, beer, cherries, endive, guava, hazelnuts; used in candy, condiments, baked goods.
98. beta-CARYOPHYLLENE - FDA approved food additive; FEMA GRAS; found in carrot, artichoke, banana, cashews, apples, celery, chervil, chicken, cocoa; used in chewing gum, ice cream, beverages.

2046316429



99. beta-CARYOPHYLLENE OXIDE - FDA approved food additive; found in rosemary; used in beverages, ice cream, candy, condiments.

100. CASCARILLA OIL AND BARK EXTRACT - FDA GRAS; FEMA GRAS; used in baked goods, candy, condiments.

101. CASSIA BARK OIL - FDA GRAS; FEMA GRAS; found in cassia; used in meat products.

102. CASSIE ABSOLUTE AND OIL - FDA approved food additive; FEMA GRAS; found in cassie; used in candy, baked goods, ice cream.

103. CASTOREUM EXTRACT, TINCTURE AND ABSOLUTE - FDA GRAS; FEMA GRAS; found in castor; used in baked goods, condiments, candy, chewing gum.

104. CEDAR LEAF OIL - FDA approved food additive; FEMA GRAS; found in Cedar tree; used in alcoholic beverages, meats, candy.

105. CEDARWOOD OIL TERPENES AND VIRGINIANA - FDA approved food additive; found in cedarwood, clary sage oil.

106. CEDROL - FDA approved food additive; found in Cypress wood, cedar wood; used in alcoholic beverages, meat products.

107. CELERY SEED EXTRACT, SOLID, OIL, AND OLEORESIN - FDA GRAS; FEMA GRAS; found in celery seeds, celery; used in baked goods, meats, soups, condiments, pickles.

108. CELLULOSE FIBER - Natural polysaccharide which is the most abundant carbohydrate in nature; found in all plant material; used in grated cheese, fruit preserves/jams, fruit jellies.

109. CHAMOMILE FLOWER OIL AND EXTRACT - FDA GRAS; FEMA GRAS; found in chamomile flowers; used in non-alcoholic beverages, ice cream, baked goods, gelatins and puddings.

110. CHICORY EXTRACT - FDA GRAS; FEMA GRAS; found in chicory; used in baked goods, non-alcoholic beverages, ice cream.

111. CHOCOLATE - FDA GRAS; common food item.

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112. CINNAMALDEHYDE - FDA GRAS; FEMA GRAS; found in beer, brandy, blueberries, cantaloupe, capers, cranberries, gin, guava, melon; used in gravies, candy, ice cream, meat.

113. CINNAMIC ACID - FDA approved food additive; FEMA GRAS; found in beer, blackberry, capers, cherry, grape, guava, malt, mango, mushroom, passion fruit, strawberry; used in soft candy.

114. CINNAMON LEAF OIL, BARK OIL, AND EXTRACT - FDA GRAS; FEMA GRAS; found in cinnamon tree; used in baked goods, chewing gum, candy, meats, condiments, pickles.

115. CINNAMYL ACETATE - FDA approved food additive; FEMA GRAS; found in guava; used in candy, ice cream, condiments.

116. CINNAMYL ALCOHOL - FDA approved food additive; FEMA GRAS; found in blackberry, blueberry, cantaloupe, cranberry, guava, melon, raspberry, strawberry, watermelon; used in non-alcoholic beverages.

117. CINNAMYL CINNAMATE - FDA approved food additive, FEMA GRAS; found in storax; used in baked goods, ice cream, candy.

118. CINNAMYL ISOVALERATE - FDA approved food additive; FEMA GRAS; found in chestnut flowers; used in candy, gelatin and puddings, chewing gum.

119. CINNAMYL PROPIONATE - FDA approved food additive; FEMA GRAS; used in hard candy.

120. CITRAL - FDA GRAS; FEMA GRAS; found in grapefruit juice, orange, orange juice, celery, apricot, black currants, grape, hops, kiwi fruit, mango, mango ginger, melon, plum, raspberry, rum; used in baked goods, candy, ice cream.

121. CITRIC ACID - FDA GRAS; FEMA GRAS; widely found in fruits and vegetables; used in fruit juices, meats, poultry, beverages.

122. CITRONELLA OIL - FDA GRAS; FEMA GRAS; found in citronella; used in alcoholic beverages, ice cream, baked goods.

123. dl-CITRONELLOL - FDA approved food additive; FEMA GRAS; found in apple, apricot, beer, black currants, blackberry, blueberry, orange juice, passion fruit, peach; used in soft candy.

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124. CITRONELLYL BUTYRATE - FEMA GRAS; found in passion fruit, tomato; used in baked goods, candy, gelatins, puddings, non-alcoholic beverages.

125. CITRONELLYL ISOBUTYRATE - FDA approved food additive; FEMA GRAS; used in candy, gelatins and puddings, non-alcoholic beverages, baked goods.

126. CIVET ABSOLUTE - FDA GRAS; FEMA GRAS; found in civet; used in ice cream, candy, baked goods, chewing gum.

127. CLARY OIL - FDA GRAS; FEMA GRAS; found in clary sage; used in alcoholic beverages, baked goods, condiments.

128. CLOVER TOPS, RED SOLID EXTRACT - FDA GRAS; FEMA GRAS; found in clover flowers; used in jam and jelly.

129. COCOA, COCOA SHELLS, EXTRACT, DISTILLATE AND POWDER - FDA GRAS; found in cocoa, cocoa shells; used in baked goods.

130. COCONUT OIL - found in coconut; used in shortening and candies, chocolate.

131. COFFEE - FDA GRAS; found in coffee; used in baked goods, candy, syrups.

132. COGNAC WHITE AND GREEN OIL - FDA GRAS; FEMA GRAS; found in cognac brandy; used in alcoholic beverages, ice cream, baked goods.

133. COPAIBA OIL - FDA approved food additive; found in copaiba.

134. CORIANDER EXTRACT AND OIL - FDA GRAS; FEMA GRAS; found in coriander; used in baked goods, meats, condiments.

135. CORN OIL - found in corn; used in baked goods, margarine, salad oils.

136. CORN SILK - FDA GRAS; FEMA GRAS; found in corn; used in baked goods, beverages, candy, desserts.

137. COSTUS ROOT OIL - FDA approved food additive; FEMA GRAS; found in Costus root; used in candy, baked goods.

138. CUBEB OIL - FDA approved food additive; FEMA GRAS; found in Piper cubebs; used in condiment relish.

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139. CUMINALDEHYDE - FDA approved food additive; FEMA GRAS; found in beef, black currants, honey, mango, bonito, grape brandy, pistacia fruit; used in baked goods, chewing gum, frozen dairy products.

140. para-CYMENE - FDA approved food additive; FEMA GRAS; found in apricot, banana, beans, beli, black currants, brandy apple, carrots, celery; used in chewing gum.

141. l-CYSTEINE - FDA GRAS; FEMA GRAS; natural constituent of protein in plants and animals; found in Pippali fruit (India); used in condiment relish; beverages, meats, baked goods, dairy products.

142. DANDELION ROOT SOLID EXTRACT - FDA GRAS; FEMA GRAS; found in dandelions; used in baked goods.

143. DAVANA OIL - FDA approved food additive; FEMA GRAS; found in Artemisia plant; used in alcoholic beverages.

144. 2-trans,4-trans-DECADIENAL - FDA approved food additive; FEMA GRAS; found in chicken, cranberry, peanut, tomato; used in vegetables, baked goods, meat, candy, chewing gum, cereals.

145. delta-DECALACTONE - FDA approved food additive; FEMA GRAS; found in apricot, beef fat, butter, black currants, blackberry, blue cheese, cheddar cheese, chicken, coconut, cranberry, cream; used in baked goods, margarine, candy.

146. gamma-DECALACTONE - FDA approved food additive; FEMA GRAS; found in apricot, beef, butter, beer, blue cheese, grape brandy, plum brandy, wheat bread, cantaloupe, cheese; used in baked goods, frozen dairy products.

147. DECANAL - FDA GRAS; FEMA GRAS; found in almond, apple, apple flowers, apricot, artichoke, avocado, beef, wheat bread; used in baked goods, beverages, ice cream, candy.

148. DECANOIC ACID - FDA approved food additive; FEMA GRAS; found in apple, apple flowers, banana, beef, beer, blackberries, blue cheese, brandies, wheat bread, butter, heated butter; used in imitation dairy goods.

149. 1-DECANOL - FDA approved food additive; FEMA GRAS; found in apple, apple juice, apricot, asparagus, banana, beer, brandy apple, butter; used in frozen dairy goods, ice cream, beverages, candy.

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150. 2-DECENAL - FDA approved food additive; FEMA GRAS; found in carrot root, chicken, orange, soybean; used in non-alcoholic beverages, alcoholic beverages, baked goods, candy, gelatin and puddings, dairy products.

151. DEHYDROMENTHOFUROLACTONE - FEMA GRAS; used in chewing gum.

152. DIETHYL MALONATE - FDA approved food additive; FEMA GRAS; found in whiskey, wine, blackberry, grape brandy, strawberry wine.

153. DIETHYL SEBACATE - FDA approved food additive; FEMA GRAS; used in chewing gum, candy, baked goods.

154. 2,3-DIETHYLPYRAZINE - FEMA GRAS; found in wheat bread, wheat, hazelnut, baked potato, soy sauce; used in candy, gelatin and puddings.

155. DIHYDRO ANETHOLE - FEMA GRAS; used in non-alcoholic beverages, alcoholic beverages, ice cream, ices, candy, dairy products, baked goods.

156. 5,7-DIHYDRO-2-METHYLTHIENO(3,4-D) PYRIMIDINE - FEMA GRAS; used in breakfast cereals, beverages, ice cream, candy, dairy products.

157. DILL SEED OIL AND EXTRACT - FDA GRAS; FEMA GRAS; found in dill; used in cheese, meats, sauces, dips, baked goods.

158. meta-DIMETHOXYBENZENE - FDA approved food additive; FEMA GRAS; found in brandy grape, salami, filberts; used in meat products, beverages, ice cream, candy, baked goods.

159. para-DIMETHOXYBENZENE - FDA approved food additive; FEMA GRAS; found in tea, hyacinth oil, peppermint oil; used in gelatin pudding, beverages, ice cream, candy, baked goods.

160. 2,6-DIMETHOXYPHENOL - FEMA GRAS; found in maple syrup, rum, smoked sausage, wine; used in seafood, meat, baked goods, candy, soups.

161. DIMETHYL SUCCINATE - FDA approved food additive; FEMA GRAS; found in blackberry, hazelnut; used in hard candy, beverages, ice cream, candy, baked goods.

162. 3,4-DIMETHYL-1,2-CYCLOPENTANEDIONE - FEMA GRAS; found in roasted coffee; used in nut products, beverages, ice cream, candy.

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163. 3,5-DIMETHYL-1,2-CYCLOPENTANEDIONE - FEMA GRAS; found in roasted coffee; used in soft candy.
164. 3,7-DIMETHYL-1,3,6-OCTATRIENE - FDA approved food additive; FEMA GRAS; found in apricot, guava, pineapple, tomato; used in frozen dairy goods.
165. 4,5-DIMETHYL-3-HYDROXY-2,5-DIHYDROFURAN-2-ONE - FEMA GRAS; found in almond, asparagus, wheat bread, butter, chicken, steamed clam, cocoa, coconut, coffee, corn; used in baked goods, sweet sauce.
166. 6,10-DIMETHYL-5,9-UNDECADIEN-2-ONE - FDA approved food additive; FEMA GRAS; found in almond, asparagus, beans, beef, beer, cashew nuts, parmesan cheese, chicken; used in baked goods, candy, dairy products.
167. 3,7-DIMETHYL-6-OCTENOIC ACID - FEMA GRAS; found in peppermint oil; used in baked goods.
168. 2,4-DIMETHYLACETOPHENONE - FDA approved food additive; FEMA GRAS; found in coffee; used in baked goods.
169. alpha,para-DIMETHYLBENZYL ALCOHOL - FEMA GRAS; used in non-alcoholic beverages, ice cream, ices, candy.
170. alpha,alpha-DIMETHYLPHENETHYL ACETATE - FDA approved food additive; FEMA GRAS; found in apricots, black currants, custard apple, grapefruit, pineapples, peppermint, nectarines; used in soft candy, baked goods, chewing gum.
171. alpha,alpha-DIMETHYLPHENETHYL BUTYRATE - FDA approved food additive; FEMA GRAS; found in Sake; used in frozen dairy goods, beverages, candy, baked goods.
172. 2,3-DIMETHYLPYRAZINE - FEMA GRAS; found in asparagus, peanut, coffee, potato; used in gravies, beverages, candy, baked goods.
173. 2,5-DIMETHYLPYRAZINE - FEMA GRAS; found in beef, blackberry, grape brandy, cantaloupe, corn, endive, grapefruit juice; used in breakfast cereal.
174. 2,6-DIMETHYLPYRAZINE - FEMA GRAS; found in citronella, camphor oil; used in milk products, meat, candy.

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175. DIMETHYLTETRAHYDROBENZOFURANONE - FEMA GRAS; found in dried bonito, black and green tea, wine; used in chewing gum.

176. delta-DODECALACTONE - FDA approved food additive; FEMA GRAS; found in beef, butter, milk, blue cheese, cheddar cheese, chicken, coconut, lamb/mutton, peach, plum, pork; used in meat products, baked goods, candy.

177. gamma-DODECALACTONE - FDA approved food additive; FEMA GRAS; found in apricot, beef, beer, blackberry, blue cheese, butter, carambola (starfruit), cheddar cheese, chervil, chicken; used in baked goods, beverages, ice cream, candy.

178. para-ETHOXYBENZALDEHYDE - FDA approved food additive; FEMA GRAS; used in baked goods, beverages, ice cream, candy.

179. ETHYL 10-UNDECENOATE - FDA approved food additive; FEMA GRAS; used in baked goods, beverages, ice cream, candy.

180. ETHYL 2-METHYLBUTYRATE - FDA approved food additive; FEMA GRAS; found in apple, apple juice, beer, bilberry, blackberry, brandy apple, brandy grape, cantaloupe, fig, grape, honeydew melon; used in hard candy, beverages, ice cream.

181. ETHYL ACETATE - FDA GRAS; FEMA GRAS; found in apple, apple juice, banana, beans, beef, beer, blue cheese, blueberry; used in chewing gum, beverages, ice cream, candy.

182. ETHYL ACETOACETATE - FDA approved food additive; FEMA GRAS; found in passion fruit, sherry, strawberry, wine; used in soft candy.

183. ETHYL ALCOHOL - FDA GRAS; FEMA GRAS; found in apple, banana, bread, coffee, cucumber, potato. As required by BATF regulations, nicotine sulfate is used to denature the alcohol, which is used as a solvent to apply flavors during processing. There is no measurable effect on the nicotine level of the finished cigarette as a result of this process.

184. ETHYL BENZOATE - FDA approved food additive; FEMA GRAS; found in apple, apricot, arctic bramble, babaco fruit, banana, beer, beli, bilberry, bilberry wine, black currants, blackberry, brandy apple; used in gelatin pudding, beverages, ice cream, candy.

185. ETHYL BUTYRATE - FDA GRAS; FEMA GRAS; found in apple, apple juice, banana, beer, apricot, beef, blue cheese, brandy; used in chewing gum.

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186. ETHYL CINNAMATE - FDA approved food additive; FEMA GRAS; found in beer, blackberry, brandy apple; used in baked goods, beverages, ice cream, candy.

187. ETHYL DECANOATE - FDA approved food additive; FEMA GRAS; found in apple juice, banana, beef, wheat bread, butter, cheddar cheese; used in frozen dairy goods, ice cream, candy.

188. ETHYL FENCHOL - FEMA GRAS; used in baked goods, chewing gum, dairy products.

189. ETHYL FUROATE - found in cocoa, almonds, beer, guava, kiwi fruit, papaya, white wine; used in processed meats.

190. ETHYL HEPTANOATE - FDA approved food additive; FEMA GRAS; found in cashew apple, cocoa, grape, grapefruit juice, hazelnut roasted, hops, milk, olive, papaya mountain, passion fruit, peach; used in chewing gum.

191. ETHYL HEXANOATE - FDA approved food additive; FEMA GRAS; found in banana, beer, cheese, beef, black currants, blackberry, brandies, broccoli; used in baked goods, ice cream, candy.

192. ETHYL ISOVALERATE - FDA approved food additive; FEMA GRAS; found in banana, celery, apple, beer, brandy, cantaloupes, cashew apple, parmesan cheese; used in condiments, ice cream, baked goods.

193. ETHYL LACTATE - FDA approved food additive; FEMA GRAS; found in apple, beer, cocoa, pineapple, apricot, bilberry wine, brandy, butter, capers, chicken, meat, elderberry, elderberry juice, grape, peas, plum; used in chewing gum, ice cream, baked goods.

194. ETHYL LAURATE - FDA approved food additive; FEMA GRAS; found in apple, beer, cheddar cheese, apricot, bilberry wine, blackberry, brandy, wheat bread, butter; used in baked goods, candy, ice cream.

195. ETHYL LEVULINATE - FDA approved food additive; FEMA GRAS; found in bilberry wine, brandy grape, wheat bread, cherimoya, cocoa, onion roasted, rum, wine; used in frozen dairy goods, beverages, candy, baked goods.

196. ETHYL MALTOL - FDA approved food additive; FEMA GRAS; found in apple juice; used in sweet sauce, soups, meat, candy.

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197. ETHYL METHYL PHENYLGLYCIDATE - FDA GRAS; FEMA GRAS; used in condiment relish, beverages, candy, ice cream.

198. ETHYL MYRISTATE - FDA approved food additive; FEMA GRAS; found in cheddar cheese, grape wine, Bartlett pear; used in non-alcoholic beverages, alcoholic beverages, ice cream, ices, candy, baked goods.

199. ETHYL NONANOATE - FDA approved food additive; FEMA GRAS; found in apple, apricot, banana, beef, beer, bilberry wine, brandy apple, wheat bread, cocoa, elderberry, grape, nectarine, olive, peach; used in baked goods, beverages, ice cream, candy.

200. ETHYL OCTADECANOATE - FEMA GRAS; found in grapes, beer, brandy, maple syrup; used in non-alcoholic beverages, ice cream, ices, candy, alcoholic beverages.

201. ETHYL OCTANOATE - FDA approved food additive; FEMA GRAS; found in apple, banana, beer, blue cheese, apricot, bilberry wine, blackberry, brandy, wheat bread, broccoli, butter, capers; used in frozen dairy goods.

202. ETHYL OLEATE - FDA approved food additive; FEMA GRAS; found in melons, grapes, brandy, maple syrup; used in non-alcoholic beverages, candy, baked goods, gelatins and puddings, condiments and relishes.

203. ETHYL PALMITATE - FEMA GRAS; found in cheddar cheese, maple syrup, grape wine; used in nut products.

204. ETHYL PHENYLACETATE - FDA approved food additive; FEMA GRAS; found in apple, crisp bread, honey, beer, bel, bilberry wine, brandy, wheat bread, cantaloupe, chempedak fruit, cocoa, grape, grapefruit juice, guava, licorice, melon; used in gelatin and puddings, syrups, baked goods.

205. ETHYL PROPIONATE - FDA approved food additive; FEMA GRAS; found in apples, apricot, banana, beer, bilberry, blackberry, brandy, cantaloupe, cheddar cheese, cocoa, fig, grape, guava; used in baked goods, meat products, ice cream.

206. ETHYL SALICYLATE - FDA approved food additive; FEMA GRAS; found in strawberries, raspberries, wine, blackberry, brandy, mountain papaya, rum; used in baked goods, ice cream, chewing gum.

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207. ETHYL trans-2-BUTENOATE - FDA approved food additive; FEMA GRAS; found in apples, cocoa, plum brandy, cantaloupe, cashews, dalieb fruit, grape, guava, kiwi fruit, mango, papaya; used in candy, baked goods.

208. ETHYL VALERATE - FDA approved food additive; FEMA GRAS; found in apple, banana, grape, apricot, bilberry wine, black currants, brandy, cashew apples, parmesan cheese, fig, guava, honey, kiwi fruit, melon, muskmelon; used in chewing gum, baked goods, beverages.

209. ETHYL VANILLIN - FDA GRAS; FEMA GRAS; found in vanilla beans; used in alcoholic beverages, imitation vanilla extract, breakfast cereals.

210. 2-ETHYL(OR METHYL)-(3,5 AND 6)-METHOXYPIRAZINE - FEMA GRAS; found in coffee, potato sprouts; used in baked goods, candy, ice cream.

211. 2-ETHYL-1-HEXANOL - FEMA GRAS; used in Non-alcoholic beverages, ice cream, ices, candy, chewing gum.

212. 3-ETHYL-2-HYDROXY-2-CYCLOPENTEN-1-ONE - FEMA GRAS; found in coffee, maple syrup, peanuts, pork; used in baked goods, soups, cereals, condiments, milk and dairy products.

213. 2-ETHYL-3,(5 OR 6)-DIMETHYLPYRAZINE - FEMA GRAS; found in beef, coffee, bread; used in baked goods, cereals, candy, dairy products.

214. 5-ETHYL-3-HYDROXY-4-METHYL-2(5H)-FURANONE - FEMA GRAS; nature identical by FEMA; found in beef, beer, wheat bread, cashew nuts, chicken, cocoa, coconut, coffee, crayfish, eggs, hazelnut; used in chewing gum, meat products.

215. 2-ETHYL-3-METHYLPYRAZINE - FEMA GRAS; found in beef, whole egg, chicken, heated corn oil, krill, lamb/mutton, boiled shrimp, fermented soy sauce; used in candy, ice cream, beverages.

216. 4-ETHYLBENZALDEHYDE - FEMA GRAS; found in oranges, carrots, broccoli, tomatoes; used in Baked goods, meat products, candy, gelatins and puddings, confectionery/frosting, cereals, dairy products.

217. 4-ETHYLGUAIACOL - FDA approved food additive; FEMA GRAS; found in coffee, cranberry, smoked pork, rum, smoked sausage, tea, wine; used in non-alcoholic beverages, ice cream, ices.

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218. para-ETHYLPHENOL - FEMA GRAS; found in cocoa, coffee, peanut, tomato, wine; used in baked goods, candy, gelatin and puddings, meat products.
219. 3-ETHYLPYRIDINE - FEMA GRAS; found in Beef, chicken, coffee, corn oil, almond, barley, beer, wheat bread, cocoa, eggs; used in candy, ice cream, meat, baked goods.
220. EUCALYPTOL - FDA approved food additive; FEMA GRAS; found in black currants, blueberries, brandy, cantaloupe, cheese, cocoa, grapes, thyme, babaco fruit, bilberry, corn; used in chewing gum, ice cream, baked goods.
221. FARNESOL - FDA approved food additive; FEMA GRAS; found in oranges, lemon grass; used in non-alcoholic beverages, ice cream, candy, baked goods, gelatins and puddings.
222. D-FENCHONE - FDA approved food additive; FEMA GRAS; found in anise, basil, fennel, peppermint, saffron, thyme; used in ice cream, candy, baked goods.
223. FENNEL SWEET OIL - FDA GRAS; FEMA GRAS; found in fennel seeds; used in candy, alcoholic beverages, meats.
224. FENUGREEK, EXTRACT, RESIN, AND ABSOLUTE - FDA GRAS; FEMA GRAS; found in fenugreek; used in non-alcoholic beverages, gelatin and puddings, syrups.
225. FIG JUICE CONCENTRATE - Common food item; found in figs.
226. FOOD STARCH MODIFIED - FDA approved food additive; widespread; used in cured pork.
227. FURFURYL MERCAPTAN - FEMA GRAS; found in coffee, beef, chicken, meat, popcorn; used in non-alcoholic beverages, ice cream, ices, candy, baked goods, gelatins and puddings, icings.
228. 4-(2-FURYL)-3-BUTEN-2-ONE - FEMA GRAS; found in coffee; used in non-alcoholic beverages, ice cream, ices, candy, baked goods, gelatins and puddings, alcoholic beverages.
229. GALBANUM OIL - FDA approved food additive; FEMA GRAS; found in galbanum; used in meat products, baked goods, ice cream.

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230. GENET ABSOLUTE - FDA approved food additive; FEMA GRAS; found in genet flowers; used in candy, baked goods, chewing gum.

231. GENTIAN ROOT EXTRACT - FEMA GRAS; found in Gentian root; used in non-alcoholic beverages, ice cream, ices, candy, baked goods, alcoholic beverages.

232. GERANIOL - FDA GRAS; FEMA GRAS; found in apples, apricot, beer, bilberry, black currants, blackberries; used in baked goods, candy, ice cream.

233. GERANIUM ROSE OIL - FDA GRAS; FEMA GRAS; found in geranium leaves and stems; used in chewing gum, ice cream, baked goods.

234. GERANYL ACETATE - FDA GRAS; FEMA GRAS; found in celery, cocoa, black currants, chervil, gin, ginger, grape, grapefruit juice, orange juice, passion fruit, pineapple, plum; used in baked goods, ice cream, syrups.

235. GERANYL BUTYRATE - FDA approved food additive; FEMA GRAS; found in celery, tomatoes, passion fruit; used in gelatins and puddings, ice cream, candy.

236. GERANYL FORMATE - FDA approved food additive; FEMA GRAS; found in hops, black and green tea; used in baked goods, ice cream, candy.

237. GERANYL ISOVALERATE - FDA approved food additive; FEMA GRAS; used in Non-alcoholic beverages, ice cream, ices, candy, baked goods, gelatins and puddings, chewing gum.

238. GERANYL PHENYLACETATE - FDA approved food additive; FEMA GRAS; found in Olibanum resin, sativa japonica; used in gelatins and puddings, baked goods, ice cream.

239. GINGER OIL AND OLEORESIN - FDA GRAS; FEMA GRAS; found in ginger; used in candy, baked goods, meats.

240. L-GLUTAMIC ACID - FDA GRAS; FEMA GRAS; natural constituent of proteins in plants and animals; used in baked goods, meat, soups, milk/dairy products, condiments, pickles, cereal.

241. L-GLUTAMINE - FDA approved food additive; FEMA GRAS; natural constituent of proteins in plants and animals; used in baked goods, meat products, candy, nut products, seasonings and flavorings.

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242. GLYCEROL - FDA GRAS; FEMA GRAS; found in beer, cherry, wine; used in milk products, baked goods, meat products.

243. GLYCYRRHIZIN AMMONIATED - FDA GRAS; FEMA GRAS; found in licorice; used in non-alcoholic beverages, candy, baked goods, chewing gum, ice cream, ices.

244. GRAPE JUICE CONCENTRATE - common food item; found in grapes.

245. GUALAC WOOD OIL - FDA approved food additive; FEMA GRAS; found in guaiac wood; used in meat products, ice cream, chewing gum.

246. GUALACOL - FDA approved food additive; FEMA GRAS; found in celery, cocoa, coffee, rum, soybean, tea, tomato, whiskey, wine; used in ice cream, ices, baked goods, meat, chewing gum, dairy products.

247. GUAR GUM - FEMA GRAS; found in the seed of the guar plant which is similar to the soybean plant; used in breakfast cereal, dairy products, gravies, processed vegetables, baked goods.

248. 2,4-HEPTADIENAL - FEMA GRAS; found in avocado, beef, black currants, bread, wheat, broccoli, butter, heated butter, cabbage, cauliflower; used in meat products, baked goods, soups, candy.

249. gamma-HEPTALACTONE - FDA approved food additive; FEMA GRAS; found in mango, passion fruit, peach, black tea, asparagus, butter, hazelnut, lamb/mutton, leek, licorice, nectarine, papaya, pineapple; used in candy, baked goods, ice cream.

250. HEPTANOIC ACID - FDA approved food additive; FEMA GRAS; found in apple, beer, banana, beef, dried blue cheese, brandy, bread, wheat butter, cheddar cheese; used in baked goods, margarine, ice cream.

251. 2-HEPTANONE - FDA approved food additive; FEMA GRAS; found in apples, banana, beer, beef, apricot, asparagus, beans, blue cheese, wheat butter; used in gravies, ice cream, condiments, baked goods.

252. 3-HEPTEN-2-ONE - FEMA GRAS; found in capsicum peppers, hazelnut, hops, muruci; used in gelatin and puddings, ice cream, baked goods.

253. 2-HEPTEN-4-ONE - FEMA GRAS; found in roasted filbert; used in non-alcoholic beverages, ice cream, ices, baked goods, candy, gelatin and puddings, dairy products.

254. 4-HEPTENAL - FDA approved food additive; FEMA GRAS; found in butterfat, soybean oil; used in Non-alcoholic beverages, baked goods, meat, candy, cereal, dairy products.

255. trans-2-HEPTENAL - FEMA GRAS; found in apple, chicken, cranberry, green pea, potato, tomato; used in Baked goods, meat, meat sauces, soups, candy.

256. HEPTYL ACETATE - FEMA GRAS; found in apples, grapes, bananas, pears, plums, whiskey; used in baked goods, gelatins and puddings, chewing gum.

257. omega-6-HEXADECENLACTONE - FDA approved food additive; FEMA GRAS; found in Ambrette seed; used in baked goods, ice cream, candy.

258. gamma-HEXALACTONE - FDA approved food additive; FEMA GRAS; found in apricot, beef, butter, apple, asparagus, beer, blackberry, brandy, wheat bread; used in candy, baked goods, ice cream.

259. HEXANAL - FDA approved food additive; FEMA GRAS; found in apples, bananas, beef, bilberries, apricot, artichoke, asparagus, avocado, barley, beer, blackberry, blueberry, others; used in frozen dairy goods, baked goods, meat.

260. HEXANOIC ACID - FDA approved food additive; FEMA GRAS; found in apple, beef, beer, apricot, banana, barley, blackberry, blue cheese, blueberry, bread, wheat; used in condiment relish, ice cream, candy.

261. 2-HEXEN-1-OL - FDA approved food additive; FEMA GRAS; found in apples, apricots, bananas, beer, Swiss cheese, peaches, used in Non-alcoholic beverages, candy, baked goods, gelatins and puddings.

262. 3-HEXEN-1-OL - FDA approved food additive; FEMA GRAS; found in apple, banana, bean, celery, grape, apricot, cantaloupe, pineapple, honeydew melon; used in chewing gum, ice cream, candy, baked goods.

263. cis-3-HEXEN-1-YL ACETATE - FEMA GRAS; found in apple juice, apricot, artichoke, asparagus, avocado, banana, beans, beef, beer, blackberry, blueberry, dried bonito, grape brandy, wheat bread; used in ices, candy, baked goods.

264. 2-HEXENAL - FDA approved food additive; FEMA GRAS; found in apple, banana, raspberry, strawberry, beer, chicken, fat, grape, guava, hops, peach, pork, black and green tea; used in frozen dairy goods, baked goods, candy.

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265. 3-HEXENOIC ACID - FEMA GRAS; found in banana, pork fat, raspberry, black tea; used in non-alcoholic beverages, ice cream, dairy products, candy, chewing gum.

266. trans-2-HEXENOIC ACID - FEMA GRAS; found in apples, bananas, beer, apple juice, artichoke, beans, beef, blackberry, blueberry; used in beverages, candy, baked goods, gelatins and puddings, frozen desserts.

267. cis-3-HEXENYL FORMATE - FEMA GRAS; found in tea, cognac; used in baked goods, chewing gum, preserves and spreads.

268. HEXYL 2-METHYLBUTYRATE - FDA approved food additive; FEMA GRAS; found in apples, strawberries, apricot, apple brandy, grape, Asian pear, plum, native spearmint; used in gelatins and puddings, candy, ice cream.

269. HEXYL ACETATE - FDA approved food additive; FEMA GRAS; found in apples, bananas, beer, apricot, beef, black currants, blackberry, blueberry, brandy, cantaloupe, capers, coffee; used in candy, baked goods, meat products.

270. HEXYL ALCOHOL - FDA approved food additive; FEMA GRAS; found in apple, banana, beef, chicken, coffee, pineapple, potato; used in baked goods, gelatin and puddings, dairy products.

271. HEXYL PHENYLACETATE - FDA approved food additive; FEMA GRAS; found in grape, tea, scotch spearmint, black and green tea; used in frozen dairy goods, candy, baked goods.

272. 1-HISTIDINE - FEMA GRAS; found in milk, cheese, grains, meats, poultry, eggs, fish, vegetables, nuts, fruit; used in baked goods, meat products, milk products, confectionery and frosting.

273. HONEY - common food item.

274. HOPS OIL - FDA GRAS; FEMA GRAS; used in gelatin pudding, chewing gum, baked goods.

275. HYDROLYZED MILK SOLIDS - USDA approved meat flavor; found in milk; used in meats, sauces and stuffings.

276. HYDROLYZED PLANT PROTEINS - FDA GRAS; found in plants; used in baked goods, milk and dairy products, meat products, baby formulas, soups, condiments and relishes.

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277. 5-HYDROXY-2,4-DECADIENOIC ACID delta-LACTONE - FEMA GRAS; found in peaches, beef; used in chewing gum, cheese, condiments.

278. 4-HYDROXY-2,5-DIMETHYL-3(2H)-FURANONE - FEMA GRAS; found in beef, maple syrup, cassia oil; used in frozen dairy goods, baked goods, candy.

279. 2-HYDROXY-3,5,5-TRIMETHYL-2-CYCLOHEXEN-1-ONE - FEMA GRAS; found in rose oil, gardenia; used in frozen dairy goods, candy.

280. 4-HYDROXY-3-PENTENOIC ACID LACTONE - FEMA GRAS; found in bread, grapes, soy beans; used in ice cream, ices, candy, baked goods, gelatins and puddings, meat, meat sauces, soups, milk and dairy products, cereals.

281. 2-HYDROXY-4-METHYLBENZALDEHYDE - FEMA GRAS; found in blackberry, capers, cranberry, raspberry, sea buckthorn; used in baked goods.

282. 4-HYDROXYBUTANOIC ACID LACTONE - FEMA GRAS; found in apricots, bread, coffee, cocoa, mushroom, onion, wine; used in dairy products, breakfast cereals, meat products.

283. HYDROXYCITRONELLAL - FDA approved food additive; FEMA GRAS; found in beef, mushroom, nectarine, peach; used in candy, ice cream, baked goods.

284. 6-HYDROXYDIHYDROTHERASPIRANE - FEMA GRAS; found in black tea; used in non-alcoholic beverages, ice cream, candy, gelatin and puddings.

285. 4-(para-HYDROXYPHENYL)-2-BUTANONE - FDA approved food additive; FEMA GRAS; found in almond, beef, coffee, grape, guava, hazelnut, pineapple, popcorn, raspberry, soy sauce, strawberry; used in chewing gum, ice cream, baked goods.

286. HYSSOP OIL - FDA GRAS; FEMA GRAS; used in alcoholic beverages, ice cream, candy, baked goods.

287. IMMORTELLE ABSOLUTE AND EXTRACT - FDA GRAS; FEMA GRAS; used in baked goods, candy, gelatin and puddings, chewing gum, frozen dairy products.

288. alpha-IONONE - FDA approved food additive; FEMA GRAS; found in raspberry, almond, banana, blackberry, grape brandy, raspberry brandy, capers, carrots, celery, cherry, grapefruit juice, kumazasa, mango ginger, peach, peas, plum; used in chewing gum., ice cream, baked goods

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289. beta-IONONE - FDA approved food additive; FEMA GRAS; found in carrot, almonds, apricot, beer, blackberry, brandy, broccoli, capers, cherry, endive; used in candy, baked goods, ice cream.

290. alpha-IRONE - FDA approved food additive; FEMA GRAS; found in raspberry; used in baked goods, frozen dairy, soft candy, gelatin and puddings, alcoholic beverages.

291. ISOAMYL ACETATE - FDA approved food additive; FEMA GRAS; found in apple, banana, beer, apricot, blackberry, blackberry brandy, wheat bread, butter; used in chewing gum, ice cream, baked goods.

292. ISOAMYL BENZOATE - FDA approved food additive; FEMA GRAS; found in beer, cherries, cocoa, papaya; used in baked goods, candy, gelatin and puddings.

293. ISOAMYL BUTYRATE - FDA approved food additive; FEMA GRAS; found in banana, blue cheese, grape, apple, apricot, beer, apple brandy, grape brandy, guava, honey, mango; used in non-alcoholic beverages, ice cream, baked goods, chewing gum.

294. ISOAMYL CINNAMATE - FDA approved food additive; FEMA GRAS; found in wine, cinnamon, styrax; used in baked goods, candy, gelatin and puddings.

295. ISOAMYL FORMATE - FDA approved food additive; FEMA GRAS; found in apple, beer, chicken, honey, eggs, rum, strawberries, tea, vinegar, grape brandy, whiskey, wine; used in baked goods, candy.

296. ISOAMYL HEXANOATE - FDA approved food additive; FEMA GRAS; found in apple, apricot, banana, grapefruit juice, plums, strawberries, beer, grape brandy, plum brandy, rum, sherry; used in candy, chewing gum.

297. ISOAMYL ISOVALERATE - FDA approved food additive; FEMA GRAS; found in banana, tomato, beer, sherry, spearmint, scotch; used in frozen dairy goods, candy.

298. ISOAMYL OCTANOATE - FDA approved food additive; FEMA GRAS; found in banana, beer, grape, strawberry; used in baked goods, soft candy, gelatin and puddings, alcoholic beverages.

299. ISOAMYL PHENYLACETATE - FDA approved food additive; FEMA GRAS; found in peppermint oil; used in baked goods, candy, chewing gum.

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300. ISOBORNYL ACETATE - FDA approved food additive; FEMA GRAS; found in Kiwi fruit; used in soft candy.
301. ISOBUTYL ACETATE - FDA approved food additive; FEMA GRAS; found in apples, bananas, cantaloupe, cocoa, figs, honeydew melon, beer, grape, guava, mango, melon; used in chewing gum, gelatin and puddings.
302. ISOBUTYL ALCOHOL - FDA approved food additive; FEMA GRAS; found in beef, blackberry, apple, apricot, banana, barley, brandy; used in gelatin and puddings, candy, baked goods.
303. ISOBUTYL CINNAMATE - FDA approved food additive; FEMA GRAS; found in coffee, tomato, mullein leaves; used in candy, ice cream, baked goods.
304. ISOBUTYL PHENYLACETATE - FDA approved food additive; FEMA GRAS; found in cocoa; used in baked goods, ice cream, candy.
305. ISOBUTYL SALICYLATE - FDA approved food additive; FEMA GRAS; found in Feijoa fruit; used in soft candy, baked goods.
306. 2-ISOBUTYL-3-METHOXYPIRAZINE - FEMA GRAS; found in bean, coffee, pea, pepper, potato, spinach, grape; used in non-alcoholic beverages, ice cream, dairy products.
307. alpha-ISOBUTYLPHENETHYL ALCOHOL - FDA approved food additive; FEMA GRAS; used in non-alcoholic beverages, alcoholic beverages, ice cream, ices, candy, gelatin and puddings, baked goods.
308. ISOBUTYRALDEHYDE - FDA approved food additive; FEMA GRAS; found in apple, banana, barley, beans, beef, beer, blue cheese, brandy, bread, wheat, butter; used in gelatin and puddings, candy, frozen dairy products.
309. ISOBUTYRIC ACID - FDA approved food additive; FEMA GRAS; found in apple, beef, beer, celery, banana, blue cheese, grape brandy, wheat bread, cashew apples, cheddar cheese; used in baked goods, candy, gelatin and puddings.
310. d,l-ISOLEUCINE - FEMA GRAS; natural constituent of protein in plants and animals; used in milk products, meat products, condiment relish, soups.
311. alpha-ISOMETHYLIONONE - FDA approved food additive; FEMA GRAS; used in baked goods, soft candy, gelatin and puddings, chewing gum.

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312. 2-ISOPROPYLPHENOL - FEMA GRAS; found in Japanese whiskey; used in meat, soups, condiments.

313. ISOVALERIC ACID - FDA approved food additive; FEMA GRAS; found in apple, beer, banana, blue cheese, grape brandy, wheat bread, heated butter, capers, cashew apples, cheddar cheese; used in frozen dairy goods, candy, cheese.

314. JASMINE ABSOLUTE, CONCRETE and OIL - FDA GRAS; FEMA GRAS; found in Jasmine flowers; used in baked goods, chewing gum, candy.

315. KOLA NUT EXTRACT - FDA GRAS; FEMA GRAS; found in kola nut; used in gelatin pudding, ice cream, candy.

316. LABDANUM ABSOLUTE AND OLEORESIN - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy products, gelatin and puddings.

317. LACTIC ACID - FDA GRAS; FEMA GRAS; found in apple juice, beef, beer, bread, cocoa, coffee, wheat bread, cherry, grape, guava, mango, milk, papaya, dry salami, sherry, tomato; used in cheese, candy, chewing gum, baked goods.

318. LAURIC ACID - FDA GRAS; FEMA GRAS; found in apple, beer, blue cheese, banana, beef, blackberry, brandy, wheat bread, butter, heated butter, cantaloupe, cashew nuts; used in baked goods, candy, ice cream.

319. LAURIC ALDEHYDE - FDA approved food additive; FEMA GRAS; found in apples, beef, beer, wheat bread, carrots, celery, cheddar cheese, blackberry, butter, cabbage, caviar, chicken; used in chewing gum, baked goods, candy.

320. LAVANDIN OIL - FDA GRAS; FEMA GRAS; found in lavender plant; used in baked goods, candy, chewing gum.

321. LAVENDER OIL - FDA GRAS; FEMA GRAS; found in lavender flowers; used in soft candy, baked goods, gelatin and puddings.

322. LEMON OIL AND EXTRACT - FDA GRAS; FEMA GRAS; found in lemons; used in candy, breakfast cereals, frozen dairy products.

323. LEMONGRASS OIL - FDA GRAS; FEMA GRAS; found in lemongrass; used in chewing gum, ice cream, baked goods.

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324. L-LEUCINE - FDA approved food additive; FEMA GRAS; found in proteins; essential amino acid; used in soups, baked goods, breakfast cereals.
325. LEVULINIC ACID - FDA approved food additive; FEMA GRAS; found in wheat bread, papaya; used in reconstituted vegetables, ice cream, baked goods.
326. LICORICE ROOT, FLUID EXTRACT AND POWDER - FDA GRAS; FEMA GRAS; found in glycyrrhizia; used in candy, baked goods, meat products.
327. LIME OIL - FDA GRAS; FEMA GRAS; found in lime; used in frozen dairy goods, candy.
328. LINALOOL - FDA GRAS; FEMA GRAS; found in banana, beer, blackberry, beans, blueberry, apple, apricot, arctice bramble, artichoke, grape brandy, plum brandy; used in meat products.
329. LINALOOL OXIDE - FDA approved food additive; FEMA GRAS; found in oranges, apricot, coffee; used in ice cream, baked goods, candy.
330. LINALYL ACETATE - FDA GRAS; FEMA GRAS; found in bergamot, clary sage, lemon oil, pepper, tomato, lavender; used in baked goods, dairy products, candy.
331. LINDEN FLOWERS - FDA GRAS; FEMA GRAS; found in linden flowers; used in non-alcoholic beverages.
332. LOVAGE OIL AND EXTRACT - FDA approved food additive; FEMA GRAS; found in levisticum; used in sweet sauce, alcoholic beverages, ice cream.
333. L-LYSINE - FDA approved food additive; amino acid, natural constituent of plant and animal proteins; used in meat products, breakfast cereals.
334. MACE POWDER, EXTRACT AND OIL - FDA GRAS; FEMA GRAS; found in mace; used in alcoholic beverages, candy, frozen dairy products.
335. MAGNESIUM CARBONATE - FDA GRAS; used in flour, baked goods, frozen dairy products.
336. MALIC ACID - FDA GRAS; FEMA GRAS; found in celery, cocoa, orange juice, grape brandy, sour cherry, gin, grapefruit juice, honey, hops, kiwi fruit, mango, mushroom; used in frozen dairy goods, candy, baked goods.

2046316449

337. MALT AND MALT EXTRACT - FDA GRAS; found in barley; used in beer, frozen dairy products, baked goods.
338. MALTODEXTRIN - FDA GRAS; used in baked goods, candy, frozen dairy.
339. MALTOL - FDA approved food additive; FEMA GRAS; found in barley, cocoa, coffee, beef, wheat bread, butter, hazelnut, licorice, malt, milk, peanut; used in frozen dairy goods, jellies, baked goods.
340. MALTYL ISOBUTYRATE - FEMA GRAS; used in baked goods, soft candy, gelatin and puddings, jam and jelly.
341. MANDARIN OIL - FDA GRAS; FEMA GRAS; found in tangerines, mandarin oranges; used in candy, frozen dairy products.
342. MAPLE SYRUP AND CONCENTRATE - common food item.
343. MATE LEAF, ABSOLUTE, AND OIL - FDA GRAS; found in mate leaves; used in flour, meat, poultry.
344. para-MENTHA-8-THIOL-3-ONE - FEMA GRAS; used in frozen dairy, soft candy, gelatin and puddings, baked goods.
345. MENTHOL - FDA approved food additive; FEMA GRAS; found in peppermint plant, honey, mint, rum, cocoa, eggs, guava, raspberry, rice, spearmint; used in candy, mouthwash.
346. MENTHONE - FDA approved food additive; FEMA GRAS; found in celery, clams, cocoa, peppermint, raspberries, rice, spearmint; used in baked goods, candy.
347. MENTHYL ACETATE - FEMA GRAS; found in peppermint oil, orange juice, raspberries; used in baked goods, frozen dairy, soft candy, gelatin and pudding.
348. di-METHIONINE - FDA approved food additive; FEMA GRAS; natural constituent of protein in plants and animals; used in breakfast cereals, meat products, condiment relish, soups.
349. METHOPRENE - EPA approved pesticide for use on tobacco; allowed by FDA to be used in raisins, prunes, peaches, oat cereals; also approved by EPA for eggs, milk, poultry.

350. 2-METHOXY-4-METHYLPHENOL - FDA approved food additive; FEMA GRAS; found in cocoa, sausage, banana, beer, coffee; used in baked goods, meat products.

351. 2-METHOXY-4-VINYLPHENOL - FDA approved food additive; FEMA GRAS; found in bean, coffee, sherry, whiskey, banana, beer, cocoa, cured ham, malt; used in meat products, ice cream, baked goods.

352. para-METHOXYBENZALDEHYDE - FDA approved food additive; FEMA GRAS; found in coffee, tea, tomato, beer, krill; used in baked goods, candy, dairy products.

353. 1-(para-METHOXYPHENYL)-1-PENTEN-3-ONE - FDA approved food additive; FEMA GRAS; found in jasmine, Ylang Ylang; used in soft candy, sweet sauce, baked goods.

354. 4-(para-METHOXYPHENYL)-2-BUTANONE - FDA approved food additive; FEMA GRAS; found in apricot, beer, brandy, grapes, cantaloupe, cranberry, honey, melon, peppermint, plum, raspberry, salami; used in candy, baked goods.

355. 1-(para-METHOXYPHENYL)-2-PROPANONE - FDA approved food additive; FEMA GRAS; found in chervil; used in baked goods, frozen dairy, soft candy, gelatin and puddings.

356. METHOXYPYRAZINE - FEMA GRAS; found in beef, cocoa; used in meat products, soups, gravies, baked goods.

357. METHYL 2-FUROATE - FEMA GRAS; found in almond, cocoa, coffee, peanut, wine; used in non-alcoholic beverages, ice cream, candy, baked goods.

358. METHYL 2-OCTYNOATE - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy products, gelatin and puddings.

359. METHYL 2-PYRROLYL KETONE - FEMA GRAS; found in apple juice, cocoa, coffee, onion, peanut; used in baked goods, candy, gelatin and puddings, meat products.

360. METHYL ANISATE - FDA approved food additive; FEMA GRAS; used in non-alcoholic beverages, frozen dairy, baked goods, soft candy, gelatin and puddings.

2046316451

361. METHYL ANTHRANILATE - FDA GRAS; FEMA GRAS; found in cocoa, grape, tea, wine, coffee, strawberry; used in baked goods, candy, frozen dairy products.
362. METHYL BENZOATE - FDA approved food additive; FEMA GRAS; found in banana, cherry, coffee, brandy, butter, cashew apple; used in chewing gum, ice cream, candy.
363. METHYL CINNAMATE - FDA approved food additive; FEMA GRAS; found in guava, strawberry, cranberry, pineapple, plum; used in baked goods, candy, gelatin and puddings.
364. METHYL DIHYDROJASMONATE - FEMA GRAS; used in non-alcoholic beverages, ice cream, ices, baked goods, candy.
365. METHYL ESTER OF ROSIN, PARTIALLY HYDROGENATED - FDA approved food additive; used in baked goods, candy.
366. METHYL ISOVALERATE - FDA approved food additive; FEMA GRAS; found in apple, peach, pineapple, banana, blackberry, parmesan cheese, coffee, honey, nectarine, olives, peas, strawberries; used in candy, baked goods.
367. METHYL LINOLEATE (48%) METHYL LINOLENATE (52%) MIXTURE; FEMA GRAS; found in banana, grape, grapefruit juice, melon, strawberries; used in ice cream, baked goods, candy.
368. METHYL NAPHTHYL KETONE - FDA approved food additive; FEMA GRAS; found in beef (heated); used in chewing gum.
369. METHYL NICOTINATE - FEMA GRAS; found in coffee, nuts, strawberry, beef, beer, guava, hazelnuts, peanut, plum; used in baked goods, candy, ice cream.
370. METHYL PHENYLACETATE - FDA approved food additive; FEMA GRAS; found in coffee, cocoa; used in candy, syrups, baked goods.
371. METHYL SALICYLATE - FDA approved food additive; FEMA GRAS; found in blackberry, broccoli, butter, cherry cake, coffee; used in candy, ice cream, syrups.
372. METHYL SULFIDE - FDA approved food additive; FEMA GRAS; found in asparagus, bean, beef, beer, white bread, brussels sprouts, butter, cabbage, carrot, cauliflower, broccoli; used in meat products, candy, ice cream.

2046316452

373. 3-METHYL-1-CYCLOPENTADECANONE - FEMA GRAS; found in grape brandy, lamb/muttonm potato; used in baked goods.

374. 4-METHYL-1-PHENYL-2-PENTANONE - FDA approved food additive; FEMA GRAS; used in gelatin pudding.

375. 5-METHYL-2-PHENYL-2-HEXENAL - FEMA GRAS; found in romano cheese, potato chips; used in soft candy.

376. 5-METHYL-2-THIOPHENECARBOXALDEHYDE - FEMA GRAS; found in coffee, roasted peanut, popcorn, cooked beef; used in baked goods, meats, soups, candy, gelatin and puddings, chewing gum, dairy products, condiments.

377. 6-METHYL-3,5-HEPTADIEN-2-ONE - FDA approved food additive; FEMA GRAS; found in almonds, asparagus, beef, beer, wheat bread, cashew nuts, chicken; used in snack foods.

378. 2-METHYL-3-(para-ISOPROPYLPHENYL) PROPIONALDEHYDE - FDA approved food additive; FEMA GRAS; found in almond, beans, beef, beer, wheat bread, chicken, cocoa, coffee, guava, macadamia nut; used in gelatin pudding.

379. 5-METHYL-3-HEXEN-2-ONE - FEMA GRAS; found in roasted filbert; used in baked goods, cereals, candy, gelatin and puddings, dairy products.

380. 1-METHYL-3-METHOXY-4-ISOPROPYLBENZENE - FEMA GRAS; found in tangerine peel, thyme; used in non-alcoholic beverages, baked goods, meat, candy, condiments.

381. 4-METHYL-3-PENTENE-2-ONE - FEMA GRAS; found in rye bread, coffee, tea, peanut; used in non-alcoholic beverages, baked goods, candy, gelatin and puddings, dairy products.

382. 2-METHYL-4-PHENYLBUTYRALDEHYDE - FEMA GRAS; used in non-alcoholic beverages, ice cream, candy, gelatin and puddings.

383. 6-METHYL-5-HEPTEN-2-ONE - FDA approved food additive; FEMA GRAS; found in guava, mango, potato, rum; used in gravies, candy, baked goods.

384. 4-METHYL-5-THIAZOLEETHANOL - FEMA GRAS; found in cocoa, malt, peanuts roasted; used in meat products.

2046316453



385. 4-METHYL-5-VINYLTIAZOLE - FEMA GRAS; found in cocoa, nuts, passion fruit; used in Ice cream, baked goods, meat sauce, candy, chewing gum.
386. METHYL-alpha-IONONE - FDA approved food additive; FEMA GRAS; used in baked goods.
387. METHYL-trans-2-BUTENOIC ACID - FEMA GRAS; found in celery oil, orange juice crystals, coffee, strawberry; used in baked goods, meat products, soups.
388. 4-METHYLACETOPHENONE - FDA approved food additive; FEMA GRAS; found in hop oil, cocoa powder, black currant; used in chewing gum.
389. para-METHYLANISOLE - FDA approved food additive; FEMA GRAS; found in cocoa, malt, peanut, pork, potato chips, sesame seeds; used in baked goods.
390. alpha-METHYLBENZYL ACETATE - FDA approved food additive; FEMA GRAS; found in grape brandy, rice, tea, tomato, tomato paste; used in chewing gum.
391. alpha-METHYLBENZYL ALCOHOL - FEMA GRAS; found in mushroom, hops, grapes, endive, cranberry; used in baked goods.
392. 2-METHYLBUTYRALDEHYDE - FDA approved food additive; FEMA GRAS; found in beef, apple, cheddar cheese, coffee, cranberry, eggs, fish, lettuce, olive, onion, peas, tomato; used in gelatin pudding.
393. 3-METHYLBUTYRALDEHYDE - FDA approved food additive; FEMA GRAS; found in apple, banana, bread, tomato, rice, blackberry; used in baked goods.
394. 2-METHYLBUTYRIC ACID - FDA approved food additive; FEMA GRAS; found in apple, apricot, avocado, beef, beer, blackberry, brandy, butter, cantaloupes, carrots; used in cheese, ice cream, candy.
395. alpha-METHYLCINNAMALDEHYDE - FDA approved food additive; FEMA GRAS; found in blackberry, cauliflower, cherry, cocoa, endive, guava, honey, peach; used in candy.
396. METHYLCYCLOPENTENOLONE - FDA approved food additive; FEMA GRAS; found in carambola (starfruit), cheese, tomato; used in breakfast cereals, baked goods, candy.

397. 2-METHYLHEPTANOIC ACID - FDA approved food additive; FEMA GRAS; found in gardenia flower oil, almonds, cocoa, coffee, soy sauce, onions; used in baked goods, ice cream, candy.

398. 2-METHYLHEXANOIC ACID - FEMA GRAS; found in apple, avocado, banana, barley, beans, beef, beer, blackberry, blue cheese, wheat bread, butter; used in baked goods, candy, gelatin and puddings.

399. 3-METHYLPENTANOIC ACID - FEMA GRAS; found in apple, apricot, beer, blackberry, blueberry, wheat bread, romano cheese, chicken; used in baked goods.

400. 4-METHYLPENTANOIC ACID - FEMA GRAS; found in apple, grapes, cocoa, strawberry, tomato; used in condiment relish.

401. 2-METHYLPYRAZINE - FEMA GRAS; found in peppermint oil, tomato, popcorn; used in milk products, baked goods, candy.

402. 5-METHYLQUINOXALINE - FEMA GRAS; found in roasted almonds, coffee; used in frozen dairy, beverages, candy, gelatins.

403. 2-METHYLTETRAHYDROFURAN-3-ONE - FEMA GRAS; found in coffee; used in gravies.

404. (METHYLTHIO)METHYLPYRAZINE (MIXTURE OF ISOMERS); FEMA GRAS; used in baked goods, candy.

405. 3-METHYLTHIOPROPIONALDEHYDE - FEMA GRAS; found in bean, bread, cheese, cocoa bean, roasted nuts, milk, soy sauce, tomato; used in ice cream, ices, baked goods, dairy products, fats/oils.

406. METHYL 3-METHYLTHIOPROPIONATE - FDA approved food additive; FEMA GRAS; found in cantaloupe, pineapple; used in candy, baked goods, beverages, syrups.

407. 2-METHYLVALERIC ACID - FDA approved food additive; FEMA GRAS; found in almond, barley, wheat bread, cocoa, coffee, hazelnut, licorice, malt, peanut, soy sauce, lamb/mutton; used in frozen dairy products, candy.

408. MIMOSA ABSOLUTE AND EXTRACT - FDA approved food additive; FEMA GRAS; found in Mimosa flowers; used in frozen dairy products.

2046316455

409. MOLASSES EXTRACT AND TINCTURE - FDA GRAS; found in refined sugars; common food item.
410. MOUNTAIN MAPLE SOLID EXTRACT - FDA approved food additive; FEMA GRAS; found in mountain maple tree sap; used in baked goods.
411. MULLEIN FLOWERS - FDA approved food additive; natural flavor.
412. MYRISTALDEHYDE - FDA approved food additive; FEMA GRAS; found in apricot, cucumber; used in frozen dairy products, beverages, baked goods, gelatin.
413. MYRISTIC ACID - FDA approved food additive; FEMA GRAS; found in apple, banana, beef, beer, blackberry, brandy grape, butter, cantaloupe, cashew nuts, cheese (blue, cheddar); used in non-alcoholic beverages, candy, baked goods.
414. MYRRH OIL - FDA approved food additive; FEMA GRAS; found in myrrh; used in alcoholic beverages.
415. beta-NAPHTHYL ETHYL ETHER - FEMA GRAS; used in soft candy.
416. NEROL - FDA approved food additive; FEMA GRAS; found in apricot, beer, blackberry, blueberry, brandy grape, cranberry, gin, grape, grapefruit juice, honey, hops, wine; used in frozen dairy products.
417. NEROLI BIGARDE OIL - FDA GRAS; FEMA GRAS; found in oranges; used in baked goods, candy.
418. NEROLIDOL - FDA approved food additive; FEMA GRAS; found in grapefruit, hops, lime, grapefruit oil; used in non-alcoholic beverages, ice cream, ices, candy, baked goods.
419. NONA-2-trans,6-cis-DIENAL - FEMA GRAS; found in apple, banana, beef, beer, blue cheese, cheddar cheese, brandy plum; used in frozen dairy goods.
420. 2,6-NONADIEN-1-OL - FDA approved food additive; FEMA GRAS; found in cucumber, frozen pea, whole soybean, tomato; used in baked goods, candy, gelatin and puddings, gravies.
421. gamma-NONALACTONE - FDA approved food additive; FEMA GRAS; found in beer, wheat bread, capers, cherry, chicken, clam; used in candy, baked goods, ice cream.

2046316456

422. NONANAL - FDA approved food additive; FEMA GRAS; found in apricot, asparagus, beef, blackberry, wheat bread, cantaloupe, cocoa; used in baked goods.

423. NONANOIC ACID - FDA approved food additive; FEMA GRAS; found in apple, apricot, artichoke, avocado, banana, beef, beer, wheat bread; used in baked goods, candy, meat products.

424. 2-NONANONE - FDA approved food additive; FEMA GRAS; found in strawberry; used in dairy products, condiments.

425. trans-2-NONEN-1-OL - FEMA GRAS; found in asparagus, brandy grape, cucumber, melon, nectarine, plum, prickly pear, wine; used in baked goods.

426. 2-NONENAL - FEMA GRAS; found in asparagus, carrot, cherry, cucumber, egg, endive, olives, peach, peas, tomato, watermelon; used in meat products.

427. NONYL ACETATE - FDA approved food additive; FEMA GRAS; found in apple, beer, cantaloupe, grape, grapefruit juice, honeydew melon, milk, used in frozen dairy products.

428. NUTMEG POWDER AND OIL - FDA GRAS; FEMA GRAS; found in nutmeg; used in condiments, baked goods.

429. OAK CHIPS EXTRACT AND OIL - FDA approved food additive; FEMA GRAS; found in oak tree wood chips; used in baked goods.

430. OAK MOSS ABSOLUTE - FDA approved food additive; FEMA GRAS; found in essential oil of lichen, oak moss; used in meat products, candy, ice cream.

431. 9,12-OCTADECADIENOIC ACID (48%) AND 9,12,15-OCTADECATRIENOIC ACID (52%); FDA GRAS; FEMA GRAS; found in potato, tomato, apple, beer, cheese, country ham; used in preserves, spreads, candy, gelatin and puddings.

432. delta-OCTALACTONE - FEMA GRAS; found in apricot, beef, blackberry, butter, cheese (blue, cheddar, parmesan), cranberry, cream, coconut; used in candy, margarine, baked goods.

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433. gamma-OCTALACTONE - FDA approved food additive; FEMA GRAS; found in apricot, asparagus, beef, beer, blackberry, blue cheese, brandy grape, cantaloupe, cherry, chicken, cranberry; used in baked goods, candy, ice cream.

434. OCTANAL - FDA approved food additive; FEMA GRAS; found in apple, apricot, artichoke, avocado, beef, beer, blackberry, brandy, wheat bread, butter; used in frozen dairy products, beverages, baked goods, candy.

435. OCTANOIC ACID - FDA GRAS; FEMA GRAS; found in apple, banana, beef, blackberry, plum brandy, wheat butter, beer, blue cheese; used in snack foods, baked goods, candy.

436. 1-OCTANOL - FDA approved food additive; FEMA GRAS; found in apple, apricot, blueberry, cantaloupe, celery, cherry, fish, grape, mushroom, pear, peas, strawberry; used in chewing gum, beverages, ice cream, baked goods, candy.

437. 2-OCTANONE - FDA approved food additive; FEMA GRAS; found in apple, banana, beef, cheese, coffee, cocoa, milk, peanut, tea, wine; used in baked goods, candy, gelatin and puddings, dairy products.

438. 3-OCTEN-2-ONE - FEMA GRAS; found in roasted filbert, mushroom, dried pea, tea; used in non-alcoholic beverages, ice cream, baked goods, condiments, candy, dairy products.

439. 1-OCTEN-3-OL - FDA approved food additive; FEMA GRAS; found in mushroom, peppermint, spearmint; used in processed vegetables.

440. 1-OCTEN-3-YL ACETATE - FDA approved food additive; FEMA GRAS; found in asparagus, avocado, beef, wheat bread, cabbage, capers, caviar, butter; used in snack foods.

441. 2-OCTENAL - FEMA GRAS; found in asparagus, beer, banana, beans, blue cheese, butter, cantaloupe, capers, chicken; used in snack foods, baked goods, dairy products.

442. OCTYL ISOBUTYRATE - FDA approved food additive; FEMA GRAS; found in hops, plum; used in baked goods, beverages, ice cream, candy.

443. OLEIC ACID - FDA approved food additive; FEMA GRAS; found in apple, banana, grape, ginger, potato, strawberry, tomato; used in condiment relish, citrus fruit, yeast, sugar beets.

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444. OLIBANUM OIL - FDA approved food additive; FEMA GRAS; found in gum resin exudate; used in Non-alcoholic beverages, ice cream, ices, candy, baked goods.
445. OPOPONAX OIL AND GUM - FDA approved food additive; found in opoponax, opoponas; natural flavor; used in alcoholic beverages.
446. ORANGE BLOSSOMS WATER, ABSOLUTE AND LEAF ABSOLUTE - FDA GRAS; FEMA GRAS; found in oranges; used in non-alcoholic beverages, ice cream, ices, candy, baked goods.
447. ORANGE OIL AND EXTRACT - FDA GRAS; FEMA GRAS; found in oranges; used in non-alcoholic beverages, ice cream, ices, baked goods, condiments, candy, gelatin and puddings, chewing gum.
448. ORIGANUM OIL - FDA GRAS; FEMA GRAS; found in origanum flowers; used in soups.
449. ORRIS CONCRETE OIL AND ROOT EXTRACT - FDA approved food additive; FEMA GRAS; found in orris roots; used in gelatin pudding, alcoholic beverages.
450. PALMAROSA OIL - FDA GRAS; FEMA GRAS; found in geranium; used in baked goods.
451. PALMITIC ACID - FEMA GRAS; found in apple, beer, celery, cheddar cheese, milk, potato, tomato; used in meat products, baked goods.
452. PARSLEY SEED OIL - FDA GRAS; FEMA GRAS; found in parsley; used in soups.
453. PATCHOULI OIL - FDA approved food additive; FEMA GRAS; found in dried leaves of Pogostemon cablin Benth.; used in non-alcoholic beverages, ice cream, ices, baked goods, candy, chewing gum.
454. omega-PENTADECALACTONE - FDA approved food additive; FEMA GRAS; used in baked goods; ice cream, candy.
455. 2,3-PENTANEDIONE - FDA approved food additive; FEMA GRAS; found in nuts, beef, beer, bread, chicken, cocoa, coffee, tomato, yogurt; used in baked goods, candy, gelatin and puddings.

456. 2-PENTANONE - FDA approved food additive; FEMA GRAS; found in apple juice, banana, beef, cheese, chicken, grape, ham, honey, peanut; used in non-alcoholic beverages, ice cream, ices, candy, baked goods.
457. 4-PENTENOIC ACID - FDA approved food additive; FEMA GRAS; used in soft candy, beverages, baked goods, margarine.
458. 2-PENTYLPYRIDINE - FEMA GRAS; found in cooked meat, peppers, hazel nut, roasted peanuts; used in candy, baked goods, ice cream.
459. PEPPER OIL, BLACK AND WHITE - FDA GRAS; FEMA GRAS; found in pepper corns; used in condiments, ice cream, baked goods.
460. PEPPERMINT OIL - FDA GRAS; FEMA GRAS; found in peppermint; used in chewing gum, meat products, ice cream, baked goods.
461. PERUVIAN (BOIS DE ROSE) OIL - FDA GRAS; FEMA GRAS; used in baked goods, candy, chewing gum.
462. PETITGRAIN ABSOLUTE, MANDARIN OIL AND TERPENELESS OIL; FDA GRAS; FEMA GRAS; found in bitter orange tree, leaves, and twigs, oranges; used in baked goods, condiments, candy.
463. alpha-PHELLANDRENE - FDA approved food additive; FEMA GRAS; found in apple, gin, hops, mango, nectarine, papaya, paprika, parsley, beans, carrots; used in milk products, baked goods, candy.
464. 2-PHENETHYL ACETATE - FDA approved food additive; FEMA GRAS; found in apple, banana, beer, brandy, raspberry, wheat bread, butter, cantaloupe; used in candy, ice cream, baked goods.
465. PHENETHYL ALCOHOL - FDA approved food additive; FEMA GRAS; found in apple juice, banana, beef, beer, blackberry, blueberry, apple, apricot, asparagus; used in chewing gum, ice cream, baked goods.
466. PHENETHYL BUTYRATE - FDA approved food additive; FEMA GRAS; found in beer, banana, apple brandy, grape, strawberry, wine; used in baked goods, candy, ice cream.
467. PHENETHYL CINNAMATE - FEMA GRAS; used in non-alcoholic beverages, alcoholic beverages, ice cream, ices, baked goods, candy, gelatin and puddings.

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468. PHENETHYL ISOBUTYRATE - FDA approved food additive; FEMA GRAS; found in beer, brandy, grape, olive, rum; used in chewing gum, baked goods, candy.

469. PHENETHYL ISOVALERATE - FDA approved food additive; FEMA GRAS; found in peppermint, spearmint, banana, beer, brandy, grape; used in chewing gum, candy, frozen dairy products.

470. PHENETHYL PHENYLACETATE - FDA approved food additive; FEMA GRAS; used in baked goods, candy, cheese.

471. PHENETHYL SALICYLATE - FDA approved food additive; FEMA GRAS; used in non-alcoholic beverages, alcoholic beverages, frozen dairy, baked goods, soft candy, gelatin and puddings.

472. 1-PHENYL-1-PROPANOL - FDA approved food additive; FEMA GRAS; found in beer, chicken broth, grape brandy, cocoa, guava, honey, lamb/mutton, mushroom; used in chewing gum, candy, baked goods.

473. 3-PHENYL-1-PROPANOL - FDA approved food additive; FEMA GRAS; found in cinnamon, honey, tea; used in frozen dairy, baked goods, soft candy, gelatin and puddings, chewing gum.

474. 2-PHENYL-2-BUTENAL - FEMA GRAS; found in beer, chicken, tomato, almonds, asparagus, cocoa, tea, hazelnuts; used in gelatin and puddings, candy, ice cream.

475. 4-PHENYL-3-BUTEN-2-OL - FDA approved food additive; FEMA GRAS; used in non-alcoholic beverages, frozen dairy, baked goods, soft candy, gelatin and puddings.

476. 4-PHENYL-3-BUTEN-2-ONE - FDA approved food additive; FEMA GRAS; found in beer, grape brandy, grape, guava, licorice, mango, mushroom, papaya, raspberry, strawberry, whiskey, wine; used in baked goods, candy.

477. PHENYLACETALDEHYDE - FDA approved food additive; FEMA GRAS; found in chicken, strawberry; used in baked goods, ice cream, candy.

478. PHENYLACETIC ACID - FDA approved food additive; FEMA GRAS; found in almond, asparagus, cocoa, coffee, mushroom, peanut, pork, potato chips, sesame seed, tea; used in sweet sauce, baked goods, candy.

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479. 1-PHENYLALANINE - FDA approved food additive; FEMA GRAS; found in meats, eggs, breads, cereals, milk, cheese, fish, corn, beans, potatoes, asparagus, peas; used in frozen dairy, baked goods, candy, condiments, meat products.

480. 3-PHENYLPROPIONALDEHYDE - FDA approved food additive; FEMA GRAS; found in beer, chicken, tomato; used in baked goods, candy, condiments.

481. 3-PHENYLPROPIONIC ACID - FDA approved food additive; FEMA GRAS; found in beef, beer, blue cheese, grape brandy, wheat bread, broccoli, apricot, artichoke, asparagus, banana, beans; used in baked goods, candy.

482. 3-PHENYLPROPYL ACETATE - FDA approved food additive; FEMA GRAS; used in non-alcoholic beverages, ice cream, baked goods, candy, chewing gum, condiments.

483. 3-PHENYLPROPYL CINNAMATE - FDA approved food additive; FEMA GRAS; found in American storax, Peru balsam; used in non-alcoholic beverages, frozen dairy, baked goods, candy, gelatin and puddings.

484. 2-(3-PHENYLPROPYL)TETRAHYDROFURAN - FDA approved food additive; FEMA GRAS; used in baked goods, soft candy, gelatin and puddings, chewing gum.

485. PHOSPHORIC ACID - FEMA GRAS; component of living organisms; used in cheese, baked goods, candy, gelatin and puddings, meat products.

486. PIMENTA LEAF OIL - used in non-alcoholic beverages, ice cream, ices, candy, condiments, chewing gum, meat products.

487. PINE NEEDLE OIL - FDA approved food additive; FEMA GRAS; found in pine tree needles; used in candy, baked goods, ice cream.

488. PINE OIL, SCOTCH - FDA approved food additive; FEMA GRAS; found in pine trees; used in candy, baked goods, non-alcoholic beverages.

489. PINEAPPLE JUICE CONCENTRATE - Found in pineapple; defined as a fruit juice under FDA Standards of Identity.

490. alpha-PINENE - FDA approved food additive; FEMA GRAS; found in apple, blueberry, plum brandy, carrots, celery, cheddar cheese, chicken; used in condiments, candy, meat products.

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491. beta-PINENE - FDA approved food additive; FEMA GRAS; found in apricot, plum brandy, butter, cantaloupe, carrots, celery, cheddar cheese, cocoa, cranberry; used in baked goods, candy, meat products.

492. D-PIPERITONE - FDA approved food additive; FEMA GRAS; found in blackberry, celery, raspberry; used in soft candy, baked goods, dairy products.

493. PIPERONAL - FDA GRAS; FEMA GRAS; found in cantaloupe, capers, melon, sherry; used in candy, baked goods.

494. PIPSISSEWA LEAF EXTRACT - FDA GRAS; FEMA GRAS; used in non-alcoholic beverages, candy.

495. PLUM JUICE - Found in plum.

496. POTASSIUM SORBATE - FDA GRAS; FEMA GRAS; found in mountain ash berries; used in cheese.

497. L-PROLINE - FDA approved food additive; FEMA GRAS; essential amino acid, found in proteins, plants and animals; used in breakfast cereals, baked goods.

498. PROPENYLGLUAETHOL - FDA approved food additive; FEMA GRAS; used in sweet sauce, baked goods, candy.

499. PROPIONIC ACID - FDA GRAS; FEMA GRAS; found in apple, apple juice, beef, beer, blueberry juice, bread, cheese, coffee, grape juice, maple syrup, orange juice, raspberry, rum; used in fruit, candy, gelatin and puddings, dairy products.

500. PROPYL ACETATE - FDA approved food additive; FEMA GRAS; found in banana, grape, apple juice, beer, wheat bread, cantaloupe, capers, cocoa, guava, honey, fig, honeydew melon, heated corn oil; used in beverages, ice cream, baked goods.

501. PROPYL para-HYDROXYBENZOATE - FDA approved food additive; FEMA GRAS; found in licorice; used in processed vegetables.

502. PROPYLENE GLYCOL - FDA GRAS; FEMA GRAS; found in sesame seed, mushroom ; used in confection frostings, cheese, candy.

503. 3-PROPYLIDENEPHTHALIDE - FDA approved food additive; FEMA GRAS; found in lovage; used in frozen dairy products, baked goods, candy.

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504. PRUNE JUICE AND CONCENTRATE - Common food item.
505. PYRIDINE - FDA approved food additive; FEMA GRAS; found in bean, bread, cheese, cocoa, coffee, fish, onion, peanut and pecan, popcorn, potato, rum, tea, tomato; used in ice cream, baked goods, condiments, meat products.
506. PYROLIGNEOUS ACID AND EXTRACT - FDA approved food additive; FEMA GRAS; found in Birch tree; used in alcoholic beverages, baked goods, meat products.
507. PYRROLE - FEMA GRAS; found in wheat bread, beer, beef, chicken, steamed clams, cocoa, coffee; used in meat products, candy, baked goods.
508. PYRUVIC ACID - FDA approved food additive; FEMA GRAS; found in beer, wheat bread, celery, asparagus, milk, onion, Sake; used in frozen dairy, products, baked goods, candy.
509. RAISIN JUICE CONCENTRATE - common food item; found in raisin; used in baked goods.
510. RHODINOL - FDA approved food additive; FEMA GRAS; found in geranium flowers; used in chewing gum, baked goods, ice cream.
511. ROSE ABSOLUTE AND OIL - FDA GRAS; FEMA GRAS; found in roses; used in chewing gum, ice cream, baked goods.
512. ROSEMARY OIL - FDA GRAS; FEMA GRAS; found in rosemary; used in condiments, meat products, baked goods.
513. RUM. Alcoholic beverages; natural flavor.
514. RUM ETHER - FDA approved food additive; FEMA GRAS; found in rum; used in non-alcoholic beverages, alcoholic beverages, frozen dairy, baked goods, candy.
515. RYE EXTRACT - found in rye; common food item.
516. SAGE, SAGE OIL, AND SAGE OLEORESIN - FDA GRAS; FEMA GRAS; found in sage; used in baked goods, condiments, meat products.
517. SALICYLALDEHYDE - FDA approved food additive; FEMA GRAS; found in beer, butter, chicken, coffee, cranberry, grape, potato, rum, sherry, tea, tomato, whiskey; used in baked goods, condiments, candy.

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518. SANDALWOOD OIL, YELLOW - FDA approved food additive; FEMA GRAS; found in sandalwood; used in candy, baked goods, ice cream.

519. SCLAREOLIDE - FEMA GRAS; found in clary sage; used in milk products, baked goods, candy, meat products, breakfast cereals.

520. SKATOLE - FDA approved food additive; FEMA GRAS; found in cheese, egg, fish, tea; used in frozen dairy, soft candy, gelatin and puddings, baked goods.

521. SMOKE FLAVOR - Found in hickory-wood smoke distillate; used in baked goods, cheese, meats.

522. SNAKEROOT OIL - FDA approved food additive; FEMA GRAS; found in wild ginger; used in beverages, ice cream, candy, condiments.

523. SODIUM ACETATE - FDA GRAS; FEMA GRAS; found in plant and animal tissues; used in cereals, pastas, snack foods, candy, meat products, soups.

524. SODIUM BENZOATE - FDA GRAS; FEMA GRAS; used in baked goods, margarine, dietary supplements.

525. SODIUM BICARBONATE - FDA GRAS; natural mineral; main component of baking powder and baking soda.

526. SODIUM CARBONATE - FDA GRAS; used in baked goods, desserts, margarine, poultry.

527. SODIUM CHLORIDE - FDA GRAS; used in brewing, baked goods, butter, cheese, poultry.

528. SODIUM CITRATE - FDA GRAS; FEMA GRAS; used in evaporated milk, general purpose food additive.

529. SODIUM HYDROXIDE - FDA GRAS; Used in meat and poultry, oleo and margarine.

530. SOLANONE - Found in black currant buds.

531. SPEARMINT OIL - FDA GRAS; FEMA GRAS; found in spearmint; used in chewing gum, ice cream, candy, baked goods.

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532. STYRAX EXTRACT, GUM AND OIL - FDA approved food additive; FEMA GRAS; found in storax; used in baked goods, candy, jellies.

533. SUCROSE OCTAACETATE - FDA approved food additive; FEMA GRAS; found in ginger ale; used in candy, gelatin and puddings, baked goods.

534. SUGAR ALCOHOLS - FDA GRAS; FEMA GRAS; found in cherry, plum, apple; used in soft candy. Maltitol is a sugar permitted by FDA for use in chewing gum, diabetic chocolate and whipped non-dairy topping.

535. SUGARS - FDA GRAS; FEMA GRAS; found in food sugar sources; used in baked goods, candy, breakfast cereals.

536. TAGETES OIL - FDA approved food additive; FEMA GRAS; found in marigold flowers; used in condiment relish.

537. TANNIC ACID - FDA GRAS; FEMA GRAS; found in bark of many fruits and plants; used in baked goods, gelatins, puddings and fillings, frozen dairy desserts, candy, meat products.

538. TARTARIC ACID - FDA GRAS; FEMA GRAS; found in wine grapes; used in fruit juices, baked goods, ice cream.

539. TEA LEAF AND ABSOLUTE - FDA GRAS; natural flavor extractive.

540. alpha-TERPINEOL - FDA approved food additive; FEMA GRAS; found in apple, apple juice, apricot, artichoke, beans, beef, bel, bilberry, blueberry, plum brandy; used in chewing gum, baked goods, ice cream.

541. TERPINOLENE - FDA approved food additive; FEMA GRAS; found in thyme, valencia oranges; used in baked goods, ice cream, candy.

542. TERPINYL ACETATE - FDA approved food additive; FEMA GRAS; found in apricot, beer, blackberry, carrots, celery, cranberry, gin, ginger; used in meat products, baked goods, candy.

543. 5,6,7,8-TETRAHYDROQUINOXALINE - FEMA GRAS; found in beef, wheat bread, cocoa, peanut, pork; used in candy, baked goods, dairy products.

544. 1,5,5,9-TETRAMETHYL-13-OXATRICYCLO(8.3.0.0(4,9))TRIDECANE - FEMA GRAS; found in clary sage oil; used in non-alcoholic beverages, ice cream, ices, baked goods, candy, gelatin and puddings.

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545. 2,3,4,5 AND 3,4,5,6-TETRAMETHYLETHYL-CYCLOHEXANONE - FDA approved food additive; FEMA GRAS; used in non-alcoholic beverages, ice cream, ices, candy, baked goods.

546. 2,3,5,6-TETRAMETHYLPYRAZINE - FEMA GRAS; found in wheat bread, Sake, shrimp, beef, beer, coffee, peanut; used in baked goods, dairy products, candy.

547. THIAMINE HYDROCHLORIDE - FDA GRAS; FEMA GRAS; found in rice husk, cereal grains, yeast, liver, eggs; nutrient supplement in food.

548. THIAZOLE - FEMA GRAS; found in Coffee aroma, component of the structure of vitamin B1 (Thiamine) which occurs in seeds, meat and milk.

549. 1-THREONINE - FDA approved food additive; found in eggs, skim milk, nuts, oranges and lemons.

550. THYME OIL, WHITE AND RED - FDA GRAS; FEMA GRAS; found in thyme; used in condiments, meats, soups, baked goods.

551. THYMOL - FDA approved food additive; FEMA GRAS; found in blueberry, romano sheese, papaya, peppermint, pistacia, fruit tea, wine; used in candy, baked goods, ice cream.

552. TOBACCO EXTRACTS - Natural to tobacco; used as flavorants at minimal levels, producing no measurable increase in nicotine in cigarettes.

553. TOCHOPHEROLS (MIXED) - FDA GRAS; found in spinach, soybeans, cashews; used in pump-cured bacon.

554. TOLU BALSAM GUM AND EXTRACT - FDA approved food additive; FEMA GRAS; found in balsam tolu; used in baked goods, candy, syrups.

555. TOLUALDEHYDES (ortho,meta,para) - FDA approved food additive; FEMA GRAS; found in beef, beer, butter, coffee, endive, rum, tea; used in chewing gum; baked goods, ice cream.

556. para-TOLYL 3-METHYLBUTYRATE - FEMA GRAS; found in raspberry, coffee, tea, rum; used in baked goods, ice cream, candy.

557. para-TOLYL ACETALDEHYDE - FEMA GRAS; used in ice cream, ices, candy, baked goods.

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558. para-TOLYL ACETATE - FDA approved food additive; FEMA GRAS; found in cananga, Ylang Ylang; used in candy, ice cream, baked goods.

559. para-TOLYL ISOBUTYRATE - FDA approved food additive; FEMA GRAS; used in baked goods, ice cream, candy.

560. para-TOLYL PHENYLACETATE - FDA approved food additive; FEMA GRAS; used in baked goods, candy, cheese, ice cream.

561. TRIACETIN - FDA GRAS; FEMA GRAS; found in papaya; used in candy, baked goods, ice cream.

562. 2-TRIDECANONE - FEMA GRAS; found in cheese, coffee, coconut oil, hops; used in ice cream, ices, baked goods, candy.

563. 2-TRIDECENAL - FDA approved food additive; FEMA GRAS; found in sunguli oil; used in non-alcoholic beverages, ice cream, ices, candy, baked goods, chewing gum.

564. TRIETHYL CITRATE - FDA GRAS; FEMA GRAS; found in red currant; used in chewing gum, baked goods, ice cream.

565. 3,5,5-TRIMETHYL-1-HEXANOL - FEMA GRAS; used in baked goods, condiments, pickles.

566. para,alpha,alpha-TRIMETHYLBENZYL ALCOHOL - FEMA GRAS; found in apricots, blackberry, grape brandy, grapefruit juice, honey, peppermint, pineapple, plum, tomato; used in beverages, candy, gelatins and puddings.

567. 4-(2,6,6-TRIMETHYLCYCLOHEX-1-ENYL)BUT-2-EN-4-ONE - FEMA GRAS; found in rose, rum, brandy, tea; used in baked goods, candy, chewing gum.

568. 2,6,6-TRIMETHYLCYCLOHEX-2-ENE-1,4-DIONE - FEMA GRAS; found in apricot, beer, blackberry, grape, hops, kiwifruit; used in soft candy.

569. 2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL METHAN; FEMA GRAS; used in candy, baked goods, condiments, pickles, preserves and spreads.

570. 4-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)BUT-2-EN-4-ONE; FEMA GRAS; found in apples, black tea, Riesling wine; used in beverages, frozen dessert, baked goods, candy, gelatin and puddings, preserves, condiments.

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571. 2,2,6-TRIMETHYLCYCLOHEXANONE - FEMA GRAS; found in bilberry, passion fruit, tea; used in Non-alcoholic beverages, frozen dessert, confectionery, ice cream, ices, candy.

572. 2,3,5-TRIMETHYLPYRAZINE - FEMA GRAS; found in barley, almond, asparagus, beef, wheat bread, chicken, cocoa, coffee; used in baked goods, candy, dairy products, cereals.

573. L-TYROSINE - FDA approved food additive; FEMA GRAS; found in nuts, oranges and lemons.

574. delta-UNDECALACTONE - FEMA GRAS; found in beef, butter, coconut, milk; used in baked goods, candy, dairy products, cereals.

575. gamma-UNDECALACTONE - FDA approved food additive; FEMA GRAS; found in apple, apple juice, apricot, heated butter, peach, plum, pork, rice; used in chewing gum, candy, ice cream, baked goods.

576. UNDECANAL - FDA approved food additive; FEMA GRAS; found in mandarin, grapefruit and lemon; used in baked goods, chewing gum.

577. 2-UNDECANONE - FDA approved food additive; FEMA GRAS; found in coconut oil, banana, beer, beef, cheese, cocoa, coffee, wine, milk, mushroom, peanut, strawberry; used in non-alcoholic beverages, ice cream, baked goods, candy, dairy products.

578. 10-UNDECENAL - FDA approved food additive; FEMA GRAS; used in non-alcoholic beverages, ice cream, ices, candy.

579. UREA - FDA GRAS; found in mushrooms; used in baked goods.

580. VALENCENE - FEMA GRAS; found in grapefruit juice, mango, mangosteen, orange juice, cocoa; used in breakfast cereals, candy, baked goods.

581. VALERALDEHYDE - FDA approved food additive; FEMA GRAS; found in apple, apple juice, apricot, artichoke, asparagus, avocado, banana, beef, blue cheese; used in candy, baked goods, ice cream.

582. VALERIAN ROOT EXTRACT, OIL AND POWDER - FDA approved food additive; FEMA GRAS; found in valerian root; used in baked goods, chewing gum.

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583. VALERIC ACID - FDA approved food additive; FEMA GRAS; found in banana, beef, beer, blue cheese, blueberry, wheat bread, butter; used in imitation dairy goods.

584. gamma-VALEROLACTONE - FEMA GRAS; found in beef, beer, cocoa, coffee, mushroom, peach, peanut, wheat bread, heated butter, honey; used in candy, meat products, baked goods.

585. VALINE - FDA approved food additive; FEMA GRAS; found in plants, lemons, oranges, grapefruits; used in ice cream, candy, baked goods.

586. VANILLA EXTRACT AND OLEORESIN - FDA GRAS; FEMA GRAS; found in vanilla bean; used in baked goods, gelatin and puddings, condiments.

587. VANILLIN - FDA GRAS; FEMA GRAS; found in asparagus, barley, beer, brandy, blackberry, blueberry, coffee, cranberry; used in confection frosting, baked goods, candy.

588. VERATRALDEHYDE - FDA approved food additive; FEMA GRAS; found in coffee, raspberry; used in baked goods, ice cream, candy.

589. VETIVER OIL - FDA approved food additive; found in vetiver flowers.

590. VINEGAR - Derived from fermentable sugars such as fruit juices and honey; used in catsup, mayonnaise, pickles.

591. VIOLET LEAF ABSOLUTE - FDA GRAS; FEMA GRAS; found in violets; used in baked goods, ice cream, candy.

592. WALNUT HULL EXTRACT - FDA approved food additive; FEMA GRAS; found in walnuts; used in breakfast cereals, ice cream, candy.

593. WATER.

594. WHEAT EXTRACT AND FLOUR - common food component.

595. WILD CHERRY BARK EXTRACT - FDA GRAS; FEMA GRAS; found in Cherry trees; used in alcoholic beverages, non-alcoholic beverages, candy, ice cream.

596. WINE AND WINE SHERRY - common beverages, found in grape fermentation/distillation.

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597. XANTHAN GUM - FDA approved food additive; produced by carbohydrate fermentation; used in baked goods, beverages, fish, milk, products, poultry.

598. 3,4-XYLENOL - FEMA GRAS; found in coffee, wood vinegar; used in baked goods, meat, soups, coffee, nuts.

599. YEAST - FDA approved food additive.

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